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1982

Census of Construction Industries

CC82-A-4

GEOGRAPHIC AREA SERIES

West North Central States

Iowa, Kansas, Minnesota, Missouri, Nebraska,
North Dakota, South Dakota



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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

1982

Census of

Construction Industries

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North Dakota, South Dakota

Issued April 1985



U.S. Department of Commerce
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Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for
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CONSTRUCTION DIVISION

Leonora M. Gross, Chief

ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1982 Census of Construction Industries. Primary direction of the program was performed by Shirley Kallek, Associate Director for Economic Fields (until May 1983), Charles A. Waite, her successor, and Michael G. Farrell, Assistant Director for Economic and Agriculture Censuses (until August 1984), and John H. Berry, his successor.

This report was prepared in the Construction Statistics Division under the general direction of Leonora M. Gross, Chief. Alan I. Blum, Assistant Division Chief for Industry Surveys, was responsible for the overall management of the census of construction industries. He guided the planning and implementation of the project and coordinated activities with other divisions.

A. William Visnansky supervised the preparation of this report. Barbara J. Hadden, Edward R. Glover, Otto G. Ricci, Marie Rustin-Sanhueza, and Shirley M. Baker made important contributions in such areas as developing specifications, procedures, and resolving problems.

The computer processing system was developed and coordinated under the direction of Barbara M. Walter. Richard W. Swartz made significant contributions to the planning and development of the computer programs, and Herbert S. Isham was responsible for the implementation of those programs. The computer programs were also developed and written by John Sibley, Clifford Jordan, Linda M. Mersch, Adele Cerrelli, and Dan G. Sansbury. Mary D. Brady was responsible for most of the data preparation specifications and procedures. Matthew R. Golas was responsible for the coordination with the Computer Services Division. Johnnye Pringle was responsible for production control of the computer processing. Under the direction of Jesse Pollock, Edward K. Ricketts and Dennis K. Duke developed the sampling plans, some computer processing specifications, and quality control procedures.

Systems and procedures for mailout, receipt, correspondence, data input, industry classification, other clerical processing, administrative record processing, and quality control, along with the associated electronic computer programs, were developed in the Economic Surveys Division, W. Joel Richardson, Chief.

Planning, design, review, and composition of report forms were performed in the Administrative Services Division, Robert L. Kirkland, Chief.

Publication planning, design, editorial review, composition, and printing procurement were performed in the Publications Services Division, Raymond J. Koski, Chief.

Geographic coding procedures and associated computer programs were developed in the Geography Division, Robert W. Marx, Chief.

Mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review were performed in the Data Preparation Division, Don L. Adams, Chief.

Computer processing was performed in the Computer Services Division, C. Thomas DiNenna, Chief (until February 1984), and John E. Halterman, his successor.

Photocomposition programs for the statistical tables were developed in the Systems Support Division, Larry J. Patin, Chief (until October 1983), and Arnold E. Levin, his successor.

Special-purpose computer programs for disclosure analysis were developed in the Business Division, Gerald F. Cranford, Chief (until December 1983), and Howard N. Hamilton, his successor.

The overall planning and review of the census operations were performed by the staff of the office of the Assistant Director for Economic and Agriculture Censuses.

Special acknowledgment is also due to the many businesses whose cooperation has contributed to the publication of these data.

Library of Congress Cataloging in Publication Data

Census of construction industries (1982)

1982 census of construction industries.

Contents: [1] Geographic area series — [2] Industry series.

Supt. of Docs. no.: C 3.245/7: CC82-A-

1. Construction industry--United States--Statistics.

I. United States. Bureau of the Census. II. Title.
HD9715.U52C466 1984 338.4'7624'0973 83-600141

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

West North Central States

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ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

METHOD OF ACCOUNTING AND TIME COVERED

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction.—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

Construction on their own account, for sale—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

Subdividers and developers, except cemeteries—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

Employer Firms

Developing the sampling frame for employer firms—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

Selecting the employer sample—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

Estimation procedures for 1982 and 1977 data—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum x_i p_i}{n_c}$$

$$i = 1$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

Nonemployer Firms

General—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

Qualifications to the nonemployer data—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

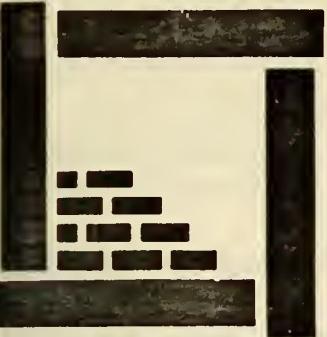
The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSA's and SMSA's.

DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

CONSTRUCTION—GEOGRAPHIC AREA SERIES



**FINAL REPORT
GEOGRAPHIC AREA SERIES**

1982

**Census of
Construction Industries**

CC82-A-1 to 10
Changed October 1986

CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



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defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- # Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employment size	By receipts size	By type, class, ownership, kind of business, and location of construction ¹	By SCSA and SMSA ²
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—structures, machinery and equipment	5					
Depreciation charges during the year—structures, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New structures—machinery and equipment	5					
Used structures—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	1, 3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—March	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during the year:						
All	1					
With payroll	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll	1	10		2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels—payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments	1				2	
Establishments with payroll	1, 4				2	
Establishments without payroll	1				2	
Ratios, industry	11	11				
Receipts:						
All business receipts:						
All establishments	1				2	
Establishments with payroll	1, 4		7	2, 8		
Establishments without payroll	1				2	
Construction receipts, total	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others	4					
Other business receipts and land receipts	4					
Net construction receipts	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For structures	4					
Repairs to structures and related facilities	4					
Repairs to machinery and equipment	4					
Storage capacity for fuels ³	4					
Subcontract work to others, payments for	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

²SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

³Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

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SUMMARY OF FINDINGS

During 1982, 21,614 establishments in Iowa operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$3.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 15,115 establishments in this State with no payroll accounted for about 17 percent of all business receipts for all construction establishments in Iowa. On the other hand, 6,499 establishments classified as "employers" accounted for 83 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$2.74 billion, of which \$2.66 billion were receipts for construction work. These establishments paid \$537 million for construction work subcontracted to others, leaving net construction receipts of about \$2.1 billion. Value added for these establishments amounted to \$1.2 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Iowa paid \$911 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$70.3 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Iowa was 40.9 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 9.8 million hours, while hours worked during the third quarter were 15.7 million hours.

Total payroll for 1982 was \$667 million. Payments of \$122 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Iowa are based on a sample of about 2,350 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	21 614	17 971	40 894	3 284 835	15 115	15 102	543 061	6 499	2 869	40 894	2 741 774	2	1
15,16, 17	Construction industries ¹ -----	21 379	17 869	40 747	(D)	14 924	15 004	(D)	6 455	2 865	40 747	2 705 010	2	1
15	General building contractors and operative builders-----	4 355	3 337	11 146	1 136 402	2 685	2 678	142 853	1 670	659	11 146	993 549	3	2
16	Heavy construction, general contractors-----	1 069	652	7 369	(D)	506	507	(D)	563	145	7 369	577 583	2	2
17	Special trade contractors-----	15 955	13 880	22 232	1 378 474	11 733	11 819	244 596	4 222	2 061	22 232	1 133 878	2	2
1711	Plumbing, heating, and air conditioning-----	1 787	1 298	4 866	313 283	871	890	31 331	916	408	4 866	281 952	4	3
1731	Electrical work-----	1 496	1 135	3 157	199 663	934	926	24 349	562	209	3 157	175 314	4	4
6552	Subdividers and developers, n.e.c. ² -----	229	100	140	(D)	191	98	(D)	38	2	140	36 759	13	3
	1977													
	Construction industries and subdividers and developers-----	22 757	19 916	55 979	3 099 018	14 410	14 647	270 285	8 347	5 269	55 979	2 828 733	1	1
15,16, 17	Construction industries ¹ -----	22 581	19 779	55 839	3 078 116	14 274	14 517	257 325	8 307	5 262	55 839	2 820 791	1	1
15	General building contractors and operative builders-----	4 717	3 657	19 695	1 293 008	2 013	2 037	89 780	2 704	1 620	19 695	1 203 228	2	2
16	Heavy construction, general contractors-----	1 234	868	9 163	581 033	476	499	12 803	758	369	9 163	568 230	2	1
17	Special trade contractors-----	16 630	15 254	26 981	1 204 075	11 785	11 981	154 742	4 845	3 273	26 981	1 049 333	2	2
1711	Plumbing, heating, and air conditioning-----	1 958	1 560	6 703	359 694	945	971	24 840	1 013	589	6 703	334 854	3	3
1731	Electrical work-----	1 700	1 498	4 086	191 396	1 030	1 046	18 275	670	452	4 086	173 121	4	4
6552	Subdividers and developers, n.e.c. ² -----	181	137	142	20 907	136	130	12 960	45	7	142	7 947	22	20

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹				Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts			
	A	B	C	D	E	F	G	H	I	J	K	J	K	
1982														
The State -----	21 614	17 971	40 894	3 284 835	15 115	15 102	543 061	6 499	2 869	40 894	2 741 774	2	1	
\$10,000,000 or more -----	28	-	5 003	(D)	2	-	(D)	26	-	5 003	(D)	(W)	-	
\$5,000,000 to \$9,999,999 -----	54	2	3 343	(D)	2	1	(D)	52	1	3 343	(D)	(W)	-	
\$2,500,000 to \$4,999,999 -----	101	2	3 925	(D)	-	-	-	101	2	3 925	(D)	(W)	-	
\$1,000,000 to \$2,499,999 -----	325	10	6 138	1 925 151	9	6	159 517	316	4	6 138	1 765 634	3	1	
\$500,000 to \$999,999 -----	470	90	4 989	319 333	43	39	28 206	427	51	4 989	291 127	6	6	
\$250,000 to \$499,999 -----	903	278	5 475	315 342	116	101	39 015	787	177	5 475	276 327	6	5	
\$100,000 to \$249,999 -----	2 398	1 580	6 484	362 830	583	595	84 662	1 815	985	6 484	278 168	5	5	
\$50,000 to \$99,999 -----	2 571	2 047	3 085	181 042	1 277	1 320	88 011	1 294	727	3 085	93 031	6	5	
\$25,000 to \$49,999 -----	2 600	2 287	1 303	(D)	1 869	1 891	65 389	731	396	1 303	(D)	8	-	
Less than \$25,000 -----	12 162	11 674	1 148	115 746	11 214	11 149	78 261	948	525	1 148	37 485	7	5	
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	3 243	3 218	50 526	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 492	2 479	16 798	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 937	2 924	8 395	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	2 542	2 528	2 542	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1977														
The State -----	22 757	19 916	55 979	3 099 018	14 410	14 647	270 285	8 347	5 269	55 979	2 828 733	1	1	
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000,000 to \$9,999,999 -----	76	2	8 649	689 588	-	-	-	76	2	8 649	689 588	(W)	(W)	
\$2,500,000 to \$4,999,999 -----	102	6	5 224	351 658	-	-	-	102	6	5 224	351 658	(W)	(W)	
\$1,000,000 to \$2,499,999 -----	367	58	9 211	559 418	10	7	15 422	357	51	9 211	543 996	1	2	
\$500,000 to \$999,999 -----	594	161	7 339	413 481	46	44	31 406	548	117	7 339	382 075	2	3	
\$250,000 to \$499,999 -----	1 072	511	8 150	369 714	56	51	18 689	1 016	460	8 150	351 025	4	4	
\$100,000 to \$249,999 -----	2 295	1 607	9 074	361 270	250	272	36 509	2 045	1 335	9 074	324 761	4	5	
\$50,000 to \$99,999 -----	2 396	1 969	4 414	166 716	612	667	41 272	1 784	1 302	4 414	125 444	6	6	
\$25,000 to \$49,999 -----	2 704	2 535	2 485	95 511	1 427	1 497	49 262	1 277	1 038	2 485	46 249	10	8	
Less than \$25,000 -----	13 152	13 068	(S)	91 662	12 009	12 109	77 725	(S)	(S)	(S)	(S)	-	-	
\$10,000 to \$24,999 -----	3 793	3 707	877	58 859	3 130	3 201	47 547	663	506	877	11 312	14	13	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 721	2 738	18 316	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 513	3 525	9 928	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 645	2 645	1 934	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982								
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receiptst	
			All	Construction workers	All employees	Construction workers				
		A	B	C	D	E	F	G	H	
	Construction industries and subdividers and developers	6 499	40 894	33 137	666 558	504 791	52 025	2 658 633	2 121 572	
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	964	2 972	2 517	29 443	23 772	3 548	142 904	119 030	
1522	Other residential buildings	59	583	448	11 140	7 636	848	66 883	29 152	
1531	Operative builders	95	456	236	7 663	3 035	314	151 483	34 702	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	117	2 169	1 807	39 404	30 190	3 034	170 109	123 807	
1542	Nonresidential buildings, n.e.c.	435	4 966	3 733	91 568	61 646	6 306	535 071	308 322	
16	Heavy construction general contractors:									
1611	Highway and street construction	172	4 022	3 358	79 163	59 077	5 483	315 242	272 930	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	38	932	793	17 462	13 140	1 559	77 471	68 980	
1623	Water, sewer, and utility lines	170	1 568	1 307	29 397	23 008	2 359	104 349	89 395	
1629	Heavy construction, n.e.c.	163	847	708	12 362	10 292	1 299	67 408	55 508	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	916	4 866	3 633	83 846	62 778	5 728	275 525	246 524	
1721	Painting, paper hanging, and decorating	306	1 269	1 129	13 984	11 844	1 410	36 594	34 555	
1731	Electrical work	562	3 157	2 494	59 957	46 917	4 215	169 638	165 795	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	211	1 010	912	13 446	11 644	1 252	38 898	34 849	
1742	Plastering, drywall, and insulation work	173	1 198	1 037	21 178	16 642	1 587	53 161	51 584	
1743	Terrazzo, tile, marble, and mosaic work	16	66	54	1 140	876	73	3 939	3 788	
175	Carpentering and flooring:									
1751	Carpentering	575	1 823	1 603	17 465	15 151	2 202	65 302	60 118	
1752	Floor laying and other floorwork	102	257	198	3 825	2 795	263	12 566	12 198	
1761	Roofing and sheet metal work	298	3 473	2 773	64 257	48 096	4 111	204 048	183 297	
1771	Concrete work	316	1 411	1 265	16 336	13 224	1 736	54 732	50 896	
1781	Water well drilling	46	172	119	2 515	1 767	222	8 547	8 197	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	57	397	355	6 566	5 690	446	22 388	20 498	
1793	Glass and glazing work	22	509	359	6 890	4 789	408	21 025	(D)	
1794	Excavating and foundation work	387	1 654	1 423	20 812	17 992	2 099	75 892	71 284	
1795	Wrecking and demolition work	6	27	20	(D)	179	30	853	(D)	
1796	Installing building equipment, n.e.c.	64	513	404	9 821	7 464	675	40 697	37 663	
1799	Special trade contractors, n.e.c.	165	430	372	(D)	4 214	681	20 007	18 848	
6552	Subdividers and developers, n.e.c.	38	140	75	1 684	926	123	123 896	(D)	

¹Land receipts for SIC 1531 were \$6,995; for SIC 6552 were \$12,640.

1982-Con.

1977

Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	1977			Relative standard error of estimate (percent) for column—			SIC code
						All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
1 203 575	981 502	537 060	32 790	55 676	801 715	55 979	2 745 982	1 210 329	2	1	4	15,16, 17
58 204	63 145	23 874	916	2 261	24 434	7 218	333 927	112 359	7	7	14	152
16 834	13 632	37 731	313	159	4 616	983	91 509	22 511	9	9	26	1521 1522
19 359	16 277	16 781	205	910	16 342	1 746	128 214	32 004	14	14	6	1531
53 753	74 643	46 301	1 890	2 400	28 384	4 141	244 687	79 019	6	5	2	154 1541 1542
153 354	165 912	226 749	2 929	5 696	82 040	5 607	356 884	111 338	3	3	5	
153 326	128 950	42 312	7 038	14 677	232 463	4 396	318 184	149 016	3	2	5	1611
41 725	28 796	8 491	683	2 298	23 986	1 316	84 640	23 601	2	3	(W)	162 1622
49 494	40 840	14 954	4 545	5 661	67 209	1 903	92 421	50 589	6	4	4	1623
32 301	24 492	11 900	1 167	3 021	29 206	1 548	64 216	39 322	8	8	16	1629
												17
141 380	111 569	29 001	3 042	3 592	58 962	6 703	328 283	155 158	4	3	6	1711
26 455	9 023	2 038	455	1 005	8 000	1 530	35 967	28 080	10	10	13	1721
98 819	72 651	3 843	1 645	2 531	34 097	4 086	168 950	100 389	4	4	6	1731
22 181	13 336	(S)	222	1 040	14 754	1 888	54 331	35 870	11	12	20	174 1741
35 150	18 097	1 577	527	635	8 135	1 736	60 495	36 880	9	7	26	1742
2 350	(D)	*151	(D)	-	395	98	3 781	2 072	31	35	-	1743
33 366	27 578	5 184	291	607	9 491	1 834	48 335	30 105	10	8	15	175 1751
6 639	6 280	*367	(D)	185	1 030	326	9 428	4 256	14	13	19	1752
113 778	73 662	20 751	3 029	2 179	27 654	2 657	90 717	53 304	5	4	10	1761
28 384	24 221	3 836	740	975	16 409	1 599	57 516	31 059	9	9	16	1771
4 861	3 571	350	75	123	5 904	523	24 324	13 772	18	13	10	1781
13 511	7 381	1 890	538	288	5 195	362	11 830	8 199	19	14	13	179 1791
12 224	11 629	(D)	45	164	2 992	273	13 323	7 463	7	-	33	1793
55 180	18 914	4 608	1 737	4 320	76 333	2 112	77 618	55 593	10	9	11	1794
844	44	(D)	7	-	27	57	1 494	1 234	(W)	-	-	1795
25 365	12 833	3 034	498	706	9 972	338	15 354	9 572	9	9	8	1796
(D)	(D)	1 159	203	118	1 864	859	24 710	15 069	15	17	34	1799
(D)	4 798	(D)	20	117	11 811	142	4 850	2 501	13	-	31	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	6 499	8 347	6 380	6 432	2	3	4	3
Number of establishments in business at end of year	6 317	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 869	5 269	4 620	5 376	3	4	5	5
All employees**	40 894	55 979	41 581	43 279	2	1	3	1
Construction workers:								
March	25 433	38 154	26 573	29 575	2	1	3	2
May	32 650	48 864	33 548	38 442	2	1	3	1
August	37 925	54 858	43 396	45 648	2	1	3	1
November	33 801	48 664	34 594	37 288	2	1	3	2
Average	33 137	47 677	35 283	38 307	2	1	3	1
Other employees:								
March	7 648	7 906	6 158	4 746	2	2	4	2
Construction worker hours (thousands):								
January to March	9 805	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	12 865	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	15 715	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	13 638	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	52 025	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	666 558	682 118	365 428	275 362	1	1	2	1
Payroll, construction workers	504 791	547 251	297 545	233 056	1	1	2	1
Payroll, other employees	161 767	134 867	67 883	41 891	1	1	3	2
First quarter payroll, all employees	134 334	130 073	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	122 048	105 966	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	88 127	67 343	(NA)	(NA)	2	1	(NA)	(NA)
Voluntary expenditures	33 921	38 623	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts	2 741 774	2 828 733	1 449 105	1 093 379	1	1	3	1
Total construction receipts	2 658 633	2 745 982	1 398 021	1 063 649	1	1	2	1
Receipts for work subcontracted in from others	492 676	531 316	224 506	166 997	3	2	4	3
Land receipts ¹	19 635	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	63 505	82 750	51 084	29 579	4	4	26	5
Net construction receipts ^t	2 121 572	2 254 428	1 165 083	909 232	1	1	2	1
Value added ^{††}	1 203 575	1 210 329	669 249	522 848	1	1	3	1
Selected payments	1 518 563	1 599 890	769 377	563 960	1	1	3	1
Materials, components, and supplies ²	911 196	1 051 369	536 439	409 814	2	1	3	2
Construction work subcontracted to others	537 060	491 554	232 938	154 421	2	2	5	3
Selected power, fuels, and lubricants	70 306	56 967	(NA)	(NA)	2	1	(NA)	(NA)
Electricity	7 578	5 037	(NA)	(NA)	3	3	(NA)	(NA)
Natural gas	4 860	2 782	(NA)	(NA)	5	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	53 036	42 297	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases	4 831	6 856	(NA)	(NA)	7	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 542	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	32 790	31 341	(NA)	(NA)	3	2	(NA)	(NA)
For machinery and equipment	24 360	26 428	12 521	10 677	3	3	6	3
For structures	8 429	4 914	(NA)	(NA)	4	3	(NA)	(NA)
Selected purchased services	57 989	60 321	(NA)	(NA)	2	2	(NA)	(NA)
Communication services	13 185	11 200	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	3 239	2 822	(NA)	(NA)	5	6	(NA)	(NA)
Repairs to machinery and equipment	41 565	46 299	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	2 658 633	2 745 982	1 398 021	1 063 649	1	1	2	1
Government owned	738 395	637 309	448 555	418 919	3	1	3	2
Privately owned	1 920 237	2 108 674	949 466	644 730	2	1	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll:
1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	778 871	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	55 676	108 957	53 602	36 429	4	3	6	3
New								
Used								
Retirements and disposition of depreciable assets	19 798	24 696	10 471	8 712	7	6	12	7
	32 833	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	801 715	645 455	355 782	(NA)	2	1	3	(NA)
Depreciation charges during year	85 524	63 444	38 754	(NA)	3	2	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	130 770	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land	4 987	16 758	7 095	4 314	6	9	10	13
New structures and related facilities	3 090	14 410	4 587	2 774	9	6	8	8
Used structures and related facilities	1 897	2 348	2 508	1 540	11	13	13	19
Retirements and disposition of depreciable assets	8 503	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	127 254	124 028	58 140	(NA)	4	4	4	(NA)
Depreciation charges during year	9 918	5 731	3 125	(NA)	8	3	7	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	648 101	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	50 689	92 199	46 507	32 115	3	4	10	5
New machinery and equipment, including automobiles and trucks	32 787	69 851	38 544	24 943	3	2	7	3
New automobiles and trucks, intended primarily for highway use	10 953	28 137	(NA)	(NA)	6	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	17 901	22 348	7 963	7 172	8	6	14	7
Retirements and disposition of depreciable assets	24 329	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	674 461	521 426	297 642	(NA)	2	1	3	(NA)
Depreciation charges during year	75 606	57 713	35 629	(NA)	3	2	4	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	6 499	2
Total construction receipts	2 658 633	1
Establishments with inventories:		
Number	2 467	6
Total construction receipts	1 357 549	2
Inventories ¹ :		
End of 1982, total	75 934	4
Value for establishments with LIFO reserve	3 777	24
Amount of LIFO reserve	2 157	36
Value for establishments with no LIFO reserve	72 157	4
End of 1981, total	71 370	4
Value for establishments with LIFO reserve	3 938	21
Amount of LIFO reserve	2 021	38
Value for establishments with no LIFO reserve	67 432	5
Establishments with no inventories:		
Number	4 032	2
Total construction receipts	1 301 084	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	
1982										
Number of establishments	6 499	4 411	1 146	589	263	62	22	4	1	
All employees**	40 894	8 587	7 523	7 566	7 638	4 055	3 304	2 220	(D)	
Payroll, all employees	666 558	81 198	97 652	116 741	152 649	89 898	71 994	56 426	(D)	
Construction worker hours (thousands)	52 025	10 615	8 670	9 226	10 413	5 851	4 377	2 870	(D)	
All business receipts	2 741 774	398 708	378 368	1 064 025	(D)	353 864	382 681	164 127	(D)	
Total construction receipts	2 658 633	390 889	366 595	419 998	594 969	347 666	376 561	161 953	(D)	
Net construction receipts†	2 121 572	348 668	320 393	354 044	452 593	267 081	242 074	136 719	(D)	
Value added††	1 203 575	192 035	182 496	207 748	241 992	149 166	137 294	92 843	(D)	
Payments for materials, components, supplies, and fuels	981 502	162 385	147 728	159 747	230 579	124 112	110 900	46 049	(D)	
Payments for construction work subcontracted to others	537 060	42 221	46 202	65 954	142 376	80 585	134 487	25 234	(D)	
Rental payments for machinery, equipment, and structures	32 790	3 591	4 119	4 205	7 490	4 125	2 745	6 514	(D)	
Capital expenditures, other than land	55 676	8 738	6 931	8 177	10 918	7 020	6 203	7 687	(D)	
End-of-year gross book value of depreciable assets	801 715	134 655	107 108	132 335	163 646	95 960	80 762	87 247	(D)	
1977										
All employees**	55 979	11 107	10 001	10 593	10 971	7 641	3 466	2 202	(D)	
Total construction receipts	2 745 982	451 598	388 620	464 485	581 350	484 253	271 225	104 452	(D)	
Value added††	1 210 329	203 691	174 343	211 550	269 610	219 778	81 280	50 077	(D)	
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	3	4	4	3	(W)	(W)	(W)	(W)	-
Net construction receipts†	1	4	5	4	2	(W)	(W)	(W)	(W)	-
Capital expenditures, other than land	4	10	14	11	9	(W)	(W)	(W)	(W)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	6 499	948	731	1 294	1 815	787	427	316	101	52	26
All employees**	40 894	1 148	1 303	3 085	6 484	5 475	4 989	6 138	3 925	3 343	5 003
Payroll, all employees	666 558	3 345	7 089	22 923	71 786	76 272	77 746	119 012	89 786	79 837	118 760
Construction worker hours (thousands)	52 025	874	1 251	3 170	8 243	6 774	6 128	8 156	5 554	5 196	6 674
All business receipts	2 741 774	37 485	(D)	93 031	278 168	276 327	291 127	1 765 634	(D)	(D)	
Total construction receipts	2 658 633	10 500	26 282	91 895	273 137	267 806	281 354	452 273	337 716	337 872	579 795
Net construction receipts†	2 121 572	9 538	24 751	84 813	251 963	239 385	247 688	373 242	270 102	261 102	358 987
Value added††	1 203 575	5 925	14 660	47 294	143 859	141 055	142 189	203 839	161 602	135 100	208 049
Payments for materials, components, supplies, and fuels	981 502	3 804	10 484	38 448	112 709	105 788	113 969	183 831	118 116	135 103	159 247
Payments for construction work subcontracted to others	537 060	962	1 530	7 082	21 174	28 421	33 666	79 031	67 614	76 770	220 808
Rental payments for machinery, equipment, and structures	32 790	242	333	977	2 716	2 354	3 858	5 359	3 787	4 052	9 108
Capital expenditures, other than land	55 676	111	387	2 149	6 857	6 435	6 036	6 568	5 786	7 782	13 563
End-of-year gross book value of depreciable assets	801 715	4 726	7 977	32 942	96 396	96 824	91 954	113 060	91 965	93 297	172 571
1977											
All employees**	55 979	(S)	2 485	4 414	9 074	8 150	7 339	9 211	5 224	18 649	(NA)
Total construction receipts	2 745 982	(S)	45 605	122 385	319 204	338 640	366 540	522 367	338 387	1679 062	(NA)
Value added††	1 210 329	(S)	24 565	67 805	157 282	153 681	166 847	243 139	144 094	1245 395	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	7	8	6	5	6	6	3	(W)	(W)	(W)
Net construction receipts†	1	7	7	5	4	6	6	4	(W)	(W)	(W)
Capital expenditures, other than land	4	28	26	15	12	15	16	15	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts‡	2 658 633	2 021 487	637 145	1	1	2
Building construction						
Single-family houses	1 818 308	1 394 866	423 441	1	1	2
Single-family houses, detached	358 604	242 099	116 504	4	4	4
Single-family houses, attached	331 004	222 693	108 311	4	4	4
Apartment buildings with two or more apartments	27 599	19 406	8 193	10	14	9
Other residential buildings	87 022	72 342	14 680	5	6	5
52 700	46 186	6 513		2	2	5
Office and bank buildings	227 572	172 679	54 893	2	2	3
Office buildings	165 908	138 122	27 786	3	2	4
Bank buildings and other financial institutions	61 663	34 556	27 107	3	5	3
Farm buildings	138 503	118 017	20 486	6	7	7
Industrial buildings and warehouses	410 832	319 343	91 489	2	2	3
Industrial buildings	299 563	223 149	76 413	2	2	4
Warehouses	111 269	96 193	15 076	6	7	9
Stores, restaurants, public garages, and automobile service stations	223 837	164 357	59 480	2	3	2
Religious buildings	33 679	26 060	7 619	9	12	7
Educational buildings	107 225	80 619	26 606	4	4	8
Hospitals and institutional buildings	153 552	134 480	19 071	3	2	5
Amusement, social, and recreational buildings	14 246	12 872	1 374	7	8	7
Other nonresidential buildings	10 536	5 812	4 726	13	13	20
Nonbuilding construction						
Highways, streets, and related facilities	648 402	470 531	177 870	2	2	4
Bridges, tunnels, and elevated highways	343 313	229 752	113 561	3	2	6
Conservation and development construction	84 065	65 690	18 374	2	3	1
Power and communication transmission lines, towers, and related facilities	32 504	27 312	5 192	14	16	19
22 972	19 659	3 313		11	10	25
Sewers, water mains, and related facilities	90 050	73 398	16 652	4	4	4
Sewers, sewer lines, and related facilities	43 142	34 356	8 785	7	8	5
Water mains and related facilities	46 908	39 041	7 866	5	5	6
Sewage treatment and water treatment plants	24 878	21 921	2 957	10	10	26
Sewage treatment plants	15 384	13 025	2 359	11	11	30
Water treatment plants	9 494	8 896	598	18	19	29
Heavy industrial facilities	12 555	7 899	4 655	14	18	12
Blast furnaces, petroleum refineries, and chemical complexes	1 548	549	999	29	15	32
Power plants	11 006	7 350	3 656	13	19	12
Power plants, nuclear	423	263	159	7	12	(W)
Power plants, except nuclear	10 582	7 086	3 496	13	20	13
Other nonbuilding construction	38 065	24 900	13 166	18	24	15
Construction work, n.s.k.	191 922	156 088	35 833	5	5	7
1977						
Total construction receipts‡	2 745 982	2 341 492	404 490	1	1	2
Building construction						
Single-family houses	1 947 029	1 641 145	305 884	1	1	2
Apartment buildings with two or more apartments	697 265	570 932	126 333	3	3	4
Other residential buildings	150 574	137 758	12 816	3	3	6
Office and bank buildings	35 492	29 238	6 254	6	7	5
Farm buildings	120 556	101 505	19 051	2	2	5
125 576	108 545	17 031		4	4	10
Industrial buildings and warehouses	402 249	342 877	59 372	2	2	2
Stores, restaurants, public garages, and automobile service stations	130 117	106 546	23 571	4	4	7
Religious buildings	33 747	25 362	8 385	3	3	8
Educational buildings	85 269	70 075	15 194	3	3	4
Hospitals and institutional buildings	134 394	121 123	13 271	2	2	6
Other nonresidential buildings	31 792	27 184	4 608	6	6	10
Nonbuilding construction						
Highways, streets, and related facilities	658 992	580 697	78 295	1	1	3
Bridges, tunnels, and elevated highways	319 651	279 082	40 569	1	1	3
Conservation and development construction	85 322	81 395	3 927	(W)	(W)	5
Power and communication transmission lines, towers, and related facilities	55 094	51 120	3 974	8	8	21
Sewers, water mains, and related facilities	23 116	17 853	5 263	11	12	20
Other nonbuilding construction	99 703	89 767	9 936	4	4	8
76 106	61 480	14 626		5	5	9
Construction work, n.s.k.	139 999	119 378	20 621	4	4	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					A	B	C	D
							E	F
								G
15,16, 17	Construction industries and subdividers and developers-----	6 499	33 137	52 025	25 433	9 805	32 650	12 865
15	Construction industries:							
152	General building contractors and operative builders:							
1521	General contractors, residential buildings:							
1522	Single-family houses -----	964	2 517	3 548	2 036	742	2 544	900
	Other residential buildings -----	59	448	848	466	224	484	248
1531	Operative builders -----	95	236	314	231	72	234	80
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	117	1 807	3 034	1 376	566	1 743	712
1542	Nonresidential buildings, n.e.c. -----	435	3 733	6 306	2 899	1 212	3 581	1 524
16	Heavy construction general contractors:							
1611	Highway and street construction -----	172	3 358	5 483	1 457	439	3 371	1 293
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	38	793	1 559	460	206	766	389
1623	Water, sewer, and utility lines -----	170	1 307	2 359	928	379	1 287	596
1629	Heavy construction, n.e.c. -----	183	708	1 299	495	217	763	354
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	916	3 633	5 728	3 374	1 350	3 493	1 396
1721	Painting, paper hanging, and decorating -----	306	1 129	1 410	843	279	1 141	356
1731	Electrical work -----	562	2 494	4 215	2 344	1 000	2 477	1 032
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	211	912	1 252	733	248	788	276
1742	Plastering, drywall, and insulation work -----	173	1 037	1 587	1 004	391	980	377
1743	Terrazzo, tile, marble, and mosaic work -----	16	54	73	40	*13	43	*11
175	Carpentering and flooring:							
1751	Carpentering -----	575	1 603	2 202	1 345	464	1 547	566
1752	Floor laying and other floorwork -----	102	198	263	169	52	205	79
1761	Roofing and sheet metal work:							
1771	Concrete work -----	298	2 773	4 111	2 351	868	2 807	1 041
1781	Water well drilling -----	316	1 265	1 736	630	213	1 220	419
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	57	355	446	261	88	341	113
1793	Glass and glazing work -----	22	359	408	355	99	338	97
1794	Excavating and foundation work -----	387	1 423	2 099	731	279	1 548	568
1795	Wrecking and demolition work -----	6	20	30	17	5	18	6
1796	Installing building equipment, n.e.c. -----	64	404	675	335	138	364	152
1799	Special trade contractors, n.e.c. -----	165	372	51	291	130	391	188
6552	Subdividers and developers, n.e.c. -----	38	75	123	153	65	53	23

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—												SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K			SIC code
H	I	J	K													
37 925	15 715	33 801	13 638	2	1	2	2	2	2	2	2	2	2	2	2	15,16, 17
																15
2 711 453	1 011 205	2 425 391	894 169	8 9	7 8	8 9	10 8	8 10	9 9	8 10	9 12	8 9	10 11	10 11	152 1521 1522	
221	83	205	78	17	18	19	24	18	23	17	23	19	25	1531		
2 150 4 310	941 1 857	1 871 3 969	814 1 712	6 4	5 3	6 3	6 4	7 4	5 4	6 4	5 4	7 5	6 5	6 5	154 1541 1542	
															16	
4 912	2 281	3 630	1 468	3	3	3	4	2	3	3	4	4	4	4	1611	
															162	
1 023 1 578 785	527 753 375	905 1 375 726	435 629 352	2 6 8	3 6 8	1 5 8	2 7 12	2 7 9	2 8 11	3 6 8	4 6 9	3 6 10	4 6 11	4 6 10	1622 1623 1629	
															17	
3 694	1 476	3 619	1 504	4	4	4	5	4	6	4	5	4	5	4	5	1711
1 395	471	967	303	10	11	11	16	11	13	13	13	16	13	16	16	1721
2 521	1 099	2 444	1 081	5	4	4	6	5	6	5	6	5	6	5	6	1731
																174
1 020 1 030 41	395 407 *13	946 1 032 90	333 411 35	10 9 28	11 7 32	15 9 39	20 9 58	10 9 36	13 10 54	11 10 38	13 10 55	13 10 17	13 10 24	13 10 17	16 9 24	1741 1742 1743
1 669 179	597 66	1 583 175	573 65	10 13	10 16	12 14	13 29	10 13	12 23	11 14	12 14	11 14	12 14	11 14	175 1751 1752	
3 148	1 193	2 669	1 007	6	4	5	6	6	5	6	5	6	5	7	5	1761
1 565	566	1 488	536	9	10	13	18	10	13	9	12	10	10	13	13	1771
131	63	100	49	18	20	18	26	18	24	17	25	21	21	29	1781	
396 356 1 683 32 440 404	129 104 685 11 188 186	407 390 1 556 16 456 325	115 107 565 6 (W) 196 175	20 6 10 10 (W) 9 15	15 8 11 16 (W) 9 17	15 5 11 16 (W) 8 17	19 10 16 10 (W) 8 24	15 6 10 12 (W) 9 14	17 11 12 10 (W) 10 20	22 7 12 10 (W) 10 16	19 11 12 10 (W) 10 21	33 7 10 12 (W) 10 17	33 7 10 12 (W) 10 23	23 11 12 10 (W) 12 23	1791 1793 1794 1795 1796 1799	
54	20	38	13	5	6	2	7	7	19	6	22	9	33	6552		

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

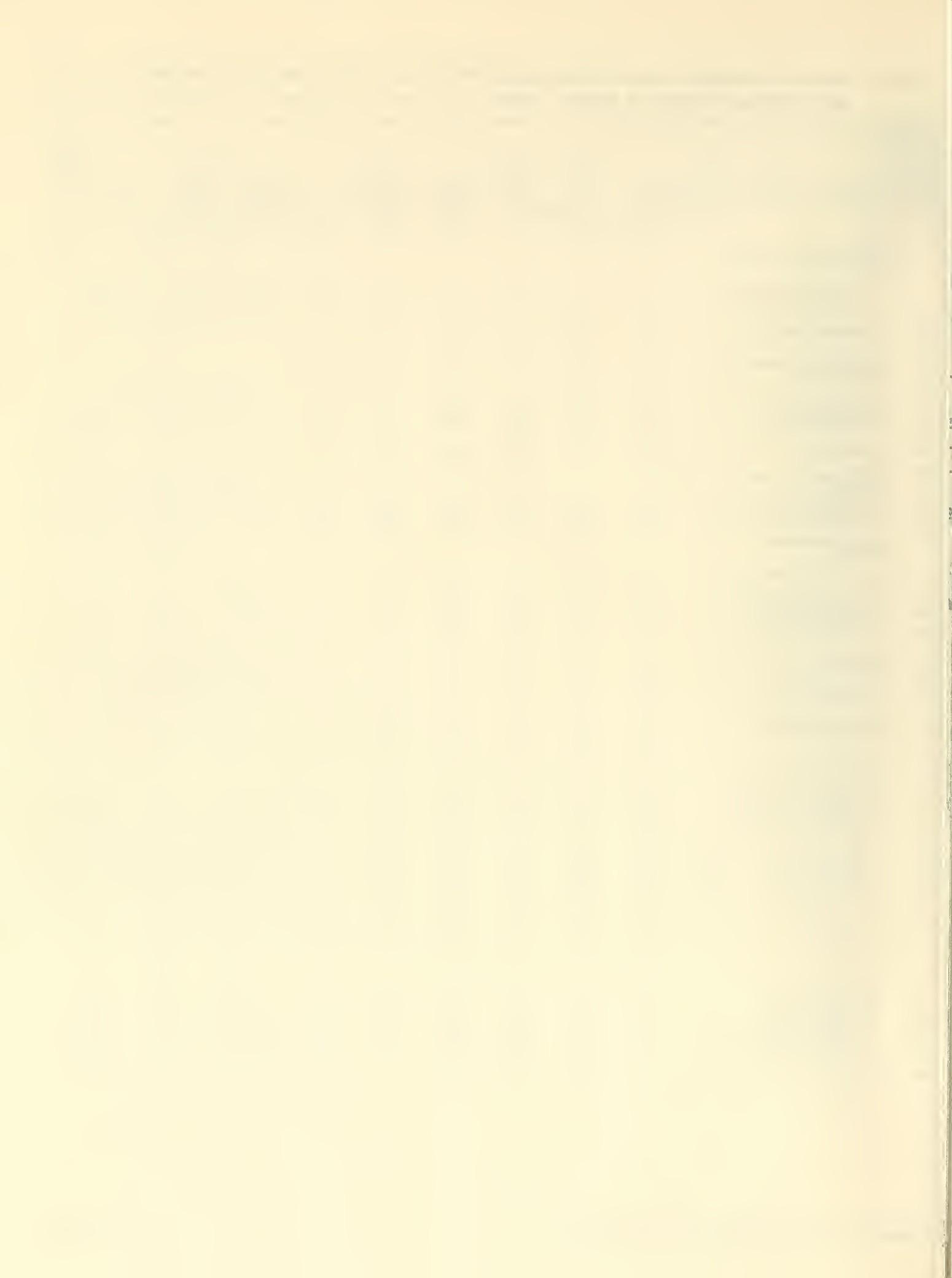
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	6.3	16.3	1.6	80.2	.251	.369	.202	.021	.012
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	3.1	9.9	1.4	56.8	.206	.442	.167	.016	.006
1522	Other residential buildings -----	9.9	19.1	1.9	149.3	.167	.204	.564	.002	.005
1531	Operative builders -----	4.8	16.8	1.3	218.1	.149	.316	.326	.018	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	18.5	18.2	1.7	94.1	.232	.439	.272	.014	.011
1542	Nonresidential buildings, n.e.c. -----	11.4	18.4	1.7	143.3	.171	.310	.424	.011	.005
16	Heavy construction general contractors:									
1611	Highway and street construction -----	23.4	19.7	1.6	93.9	.251	.409	.134	.047	.022
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	24.5	18.7	2.0	97.7	.225	.372	.110	.030	.009
1623	Water, sewer, and utility lines -----	9.2	18.7	1.8	79.8	.282	.391	.143	.054	.044
1629	Heavy construction, n.e.c. -----	4.6	14.6	1.8	95.2	.183	.363	.177	.045	.017
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	5.3	17.2	1.6	75.8	.304	.405	.105	.013	.011
1721	Painting, paper hanging, and decorating -----	4.1	11.0	1.2	32.4	.382	.247	.056	.027	.012
1731	Electrical work -----	5.6	19.0	1.7	68.0	.353	.428	.023	.015	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	4.8	13.3	1.4	42.7	.346	.343	(S)	.027	.006
1742	Plastering, drywall, and insulation work -----	6.9	17.7	1.5	51.3	.398	.340	.030	.012	.010
1743	Terrazzo, tile, marble, and mosaic work -----	4.1	17.3	1.4	72.9	.289	(D)	*.038	-	(D)
175	Carpentering and flooring:									
1751	Carpentering -----	3.2	9.6	1.4	40.7	.267	.422	.079	.009	.004
1752	Floor laying and other floorwork -----	2.5	14.9	1.3	63.5	.304	.500	*.029	.015	(D)
1761	Roofing and sheet metal work -----	11.7	18.5	1.5	73.6	.315	.361	.102	.011	.015
1771	Concrete work -----	4.5	11.6	1.4	43.3	.298	.443	.070	.018	.014
1781	Water well drilling -----	3.7	14.6	1.9	71.8	.294	.418	.041	.014	.009
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	7.0	16.5	1.3	63.1	.293	.330	.084	.013	.024
1793	Glass and glazing work -----	23.1	13.5	1.1	58.6	.328	.553	(D)	.008	.002
1794	Excavating and foundation work -----	4.3	12.6	1.5	53.3	.274	.249	.061	.057	.023
1795	Wrecking and demolition work -----	4.5	(D)	1.5	42.6	(D)	.052	(D)	-	.008
1796	Installing building equipment, n.e.c. -----	8.0	19.1	1.7	100.7	.241	.315	.075	.017	.012
1799	Special trade contractors, n.e.c. -----	2.6	(D)	1.8	53.8	(D)	(D)	.058	.006	.010
6552	Subdividers and developers, n.e.c. -----	3.7	12.0	1.6	318.6	.070	.201	(D)	.005	.001

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—		
			A								B	E	
	OMAHA, NEBR.-IOWA, SMSA												
	Construction Industries and subdividers and developers	1 346	10 684	212 456	767 617	619 024	361 710	275 996	148 593	11 849	2	2	
15,16, 17	Construction Industries:												
15	General building contractors and operative builders:												
152	General contractors, residential buildings:												
1521	Single-family houses	151	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings	7	91	1 706	8 217	2 942	(D)	1 929	5 275	(W)	(W)	(W)	(W)
1531	Operative builders	66	251	4 990	41 024	24 238	9 317	15 114	16 786	763	13	23	
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses	15	190	3 890	15 618	10 299	4 644	6 613	5 319	*45	17	14	
1542	Nonresidential buildings, n.e.c.	71	1 185	26 211	166 833	95 082	49 757	46 584	71 751	1 495	5	3	
16	Heavy construction general contractors:												
1611	Highway and street construction	30	327	5 709	25 924	22 837	12 563	(D)	3 087	173	14	6	
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	30	287	6 173	21 680	20 154	13 774	6 620	1 526	2 192	11	10	
1629	Heavy construction, n.e.c.	9	87	1 903	11 286	8 171	6 456	(D)	3 115	418	6	1	
17	Special trade contractors:												
1711	Plumbing, heating, and air conditioning	199	1 442	30 183	94 248	84 788	50 188	39 664	9 460	931	7	5	
1721	Painting, paper hanging, and decorating	85	353	4 383	9 836	9 655	7 379	(D)	*181	*45	24	21	
1731	Electrical work	121	1 559	47 348	106 663	105 486	57 776	(D)	1 178	623	5	3	
174	Masonry, plastering, and tile setting:												
1741	Masonry, stone setting, and other stonework	61	318	3 583	8 402	7 949	5 099	(D)	*454	*81	20	13	
1742	Plastering, drywall, and insulation work	52	762	14 557	48 995	45 318	26 472	19 491	3 677	375	7	5	
1743	Terrazzo, tile, marble, and mosaic work	10	78	1 161	2 239	2 239	1 720	1 042	(D)	34	20		
175	Carpentering and flooring:												
1751	Carpentering	111	449	5 335	18 989	15 869	11 256	(D)	3 120	*266	16	28	
1752	Floor laying and other floorwork	26	91	1 240	4 430	4 095	2 040	2 640	*335	24	33	24	
1761	Roofing and sheet metal work	52	721	15 717	47 297	42 081	24 005	(D)	5 216	599	8	6	
1771	Concrete work	83	678	8 837	25 298	22 012	13 840	(D)	3 286	1 015	12	9	
1781	Water well drilling	6	49	803	4 132	(D)	2 187	1 788	(D)	51	4	—	
179	Miscellaneous special trade contractors:												
1791	Structural steel erection	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
1793	Glass and glazing work	5	63	1 502	5 920	5 862	2 923	(D)	58	129	12	5	
1794	Excavating and foundation work	78	576	8 716	28 468	25 934	21 175	6 789	2 534	(D)	11	7	
1795	Wrecking and demolition work	7	16	*335	*1 092	*1 034	*916	(D)	*58	(D)	56	61	
1796	Installing building equipment, n.e.c.	17	220	5 881	14 894	14 184	11 095	3 122	710	(D)	6	4	
1799	Special trade contractors, n.e.c.	51	210	2 469	8 826	7 908	5 510	2 721	918	*366	26	18	
6552	Subdividers and developers, n.e.c.	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	



Kansas

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SUMMARY OF FINDINGS

During 1982, 19,433 establishments in Kansas operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$3.4 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 13,980 establishments in this State with no payroll accounted for about 13 percent of all business receipts for all construction establishments in Kansas. On the other hand, 5,453 establishments classified as "employers" accounted for 87 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$3.0 billion, of which \$2.9 billion were receipts for construction work. These establishments paid \$603 million for construction work subcontracted to others, leaving net construction receipts of about \$2.3 billion. Value added for these establishments amounted to \$1.3 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Kansas paid \$947 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$71.4 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Kansas was 42.4 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 12.4 million hours, while hours worked during the third quarter were 15.5 million hours.

Total payroll for 1982 was \$696 million. Payments of \$120 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Kansas are based on a sample of about 2,125 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
1982														
15,16, 17	Construction Industries and subdividers and developers-----	19 433	16 412	42 414	3 396 677	13 980	13 980	443 848	5 453	2 432	42 414	2 952 829	1	1
15,16, 17	Construction Industries ¹ -----	19 179	16 252	42 213	3 358 709	13 762	13 822	415 941	5 417	2 430	42 213	2 942 768	1	1
15	General building contractors and operative builders -----	3 260	2 216	10 165	1 142 732	1 800	1 726	125 009	1 460	490	10 165	1 017 723	3	2
16	Heavy construction, general contractors -	874	573	9 309	760 937	392	395	15 434	482	178	9 309	745 503	2	1
17	Special trade contractors-----	15 045	13 463	22 739	1 455 040	11 570	11 701	275 498	3 475	1 762	22 739	1 179 542	2	2
1711	Plumbing, heating, and air conditioning-----	1 823	1 457	5 771	372 747	1 014	1 028	36 976	809	429	5 771	335 771	5	3
1731	Electrical work -----	1 145	878	2 819	189 779	720	721	21 598	425	157	2 819	168 181	5	4
6552	Subdividers and developers, n.e.c. ² -----	248	158	195	37 964	218	158	27 907	30	-	195	10 057	10	10
1977														
15,16, 17	Construction Industries and subdividers and developers-----	18 402	16 532	52 582	2 703 401	12 095	12 263	265 459	6 307	4 269	52 582	2 437 942	1	1
15,16, 17	Construction Industries ¹ -----	18 158	16 391	52 389	2 671 508	11 952	12 126	245 297	6 206	4 265	52 389	2 426 211	1	1
15	General building contractors and operative builders -----	3 907	3 397	14 800	1 052 294	1 800	1 823	105 784	2 107	1 574	14 800	946 510	3	2
16	Heavy construction, general contractors -	867	610	13 585	625 571	300	325	14 338	567	285	13 585	611 233	2	1
17	Special trade contractors-----	13 384	12 383	24 004	993 643	9 852	9 978	125 175	3 532	2 405	24 004	868 468	2	2
1711	Plumbing, heating, and air conditioning-----	1 522	1 219	5 507	261 273	765	764	19 936	757	455	5 507	241 337	5	4
1731	Electrical work -----	1 035	859	4 095	158 029	590	600	9 667	445	259	4 095	148 362	5	4
6552	Subdividers and developers, n.e.c. ² -----	185	141	193	31 898	143	137	20 162	42	4	193	11 736	25	24

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll					Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	J	K	
	A	B	C	D	E	F	G	H	I	J	K	J	K	J
1982														
The State	19 433	16 412	42 414	3 396 677	13 980	13 980	443 848	5 453	2 432	42 414	2 952 829	1	1	
\$10,000,000 or more	35	—	7 695	(D)	—	—	—	35	—	7 695	(D)	(W)	—	
\$5,000,000 to \$9,999,999	48	—	3 238	(D)	2	—	(D)	46	—	3 238	1 166 674	(W)	(W)	
\$2,500,000 to \$4,999,999	113	6	4 817	1 577 792	4	3	12 569	109	3	4 817	382 633	(W)	(W)	
\$1,000,000 to \$2,499,999	329	36	6 584	520 943	14	14	19 556	315	*22	6 584	501 387	2	4	
\$500,000 to \$999,999	504	105	5 320	355 596	48	38	35 080	456	67	5 320	320 516	5	5	
\$250,000 to \$499,999	922	459	4 858	311 070	156	142	50 948	766	317	4 858	260 122	7	5	
\$100,000 to \$249,999	1 973	1 360	5 658	305 578	603	621	89 999	1 370	739	5 658	215 579	8	5	
\$50,000 to \$99,999	2 234	1 812	2 445	157 601	1 177	1 193	80 920	1 057	619	2 445	76 681	7	6	
\$25,000 to \$49,999	2 483	2 241	975	87 400	1 903	1 948	66 433	580	293	975	20 967	9	8	
Less than \$25,000	10 791	10 392	823	80 695	10 073	10 021	72 427	718	371	823	8 268	7	8	
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	3 010	3 003	47 298	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	2 296	2 283	15 530	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	2 612	2 597	7 444	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	2 155	2 138	2 155	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977														
The State	18 402	16 532	52 582	2 703 401	12 095	12 263	265 459	6 307	4 269	52 582	2 437 942	1	1	
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000,000 to \$9,999,999 ²	66	2	12 834	740 567	—	—	—	66	2	12 834	740 567	(W)	(W)	
\$2,500,000 to \$4,999,999	92	12	4 955	(D)	1	2	(D)	91	10	4 955	316 300	(W)	1	
\$1,000,000 to \$2,499,999	314	46	8 393	790 098	14	10	22 542	300	36	8 393	451 256	1	2	
\$500,000 to \$999,999	470	163	5 827	327 841	56	50	38 060	414	113	5 827	289 781	5	5	
\$250,000 to \$499,999	781	460	6 083	271 319	90	88	30 868	691	372	6 083	240 451	4	5	
\$100,000 to \$249,999	1 913	1 348	8 012	303 698	245	250	36 876	1 668	1 098	8 012	266 822	6	5	
\$50,000 to \$99,999	1 629	1 480	3 240	115 228	498	537	33 731	1 131	943	3 240	81 497	8	8	
\$25,000 to \$49,999	2 119	2 055	1 988	75 710	1 074	1 123	36 443	1 045	932	1 988	39 267	10	9	
Less than \$25,000	11 019	10 966	1 251	78 940	10 117	10 203	66 939	902	763	1 251	12 001	15	12	
\$10,000 to \$24,999	3 360	3 331	962	(D)	2 711	2 761	41 149	649	570	962	(D)	22	—	
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	2 401	2 426	16 159	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	2 828	2 841	8 035	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	2 177	2 175	1 596	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
15,16, 17	Construction industries and subdividers and developers	5 453	42 414	35 015	695 505	536 063	56 382	2 870 903	2 267 709
15	Construction industries:								
152	General building contractors and operative builders:								
1521	General contractors, residential buildings:								
1522	Single-family houses	830	3 102	2 687	34 876	27 973	4 023	171 798	134 100
	Other residential buildings	81	426	352	8 082	5 755	569	61 799	22 580
1531	Operative builders	190	868	536	11 189	5 398	860	104 176	57 066
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	108	1 281	1 034	22 819	16 572	1 925	110 314	81 366
1542	Nonresidential buildings, n.e.c.	251	4 488	3 662	83 365	61 013	6 776	548 304	287 894
16	Heavy construction general contractors:								
1611	Highway and street construction	121	2 925	2 437	54 725	41 570	4 419	278 214	249 440
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	28	955	835	16 766	14 149	1 512	68 047	58 866
1623	Water, sewer, and utility lines	177	2 301	2 018	43 991	36 473	3 698	151 009	134 328
1629	Heavy construction, n.e.c.	156	3 128	2 639	61 214	49 255	4 761	225 788	169 350
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning	809	5 771	4 345	97 285	73 228	6 518	324 715	290 923
1721	Painting, paper hanging, and decorating	261	942	863	11 098	9 395	1 160	31 224	29 420
1731	Electrical work	425	2 819	2 109	57 600	41 826	3 690	162 332	155 004
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	230	1 008	947	10 810	10 003	1 126	28 754	27 924
1742	Plastering, drywall, and insulation work	205	2 356	2 116	42 039	36 055	3 134	124 079	121 013
1743	Terrazzo, tile, marble, and mosaic work	*17	*47	*45	*605	*525	*59	*2 110	*1 997
175	Carpentering and flooring:								
1751	Carpentering	321	894	823	9 657	8 485	1 134	31 107	29 284
1752	Floor laying and other floorwork	72	410	322	6 327	4 918	480	27 442	26 082
1761	Roofing and sheet metal work	209	1 685	1 348	26 726	18 455	1 941	81 088	77 454
1771	Concrete work	239	2 378	2 223	24 052	20 601	2 558	89 308	83 743
1781	Water well drilling	61	391	277	5 251	3 646	509	23 903	23 449
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	36	465	409	7 719	6 387	638	23 276	21 747
1793	Glass and glazing work	34	303	203	6 078	4 010	380	15 329	15 252
1794	Excavating and foundation work	322	1 897	1 624	29 289	23 519	2 686	108 273	98 198
1795	Wrecking and demolition work	5	(D)	41	(D)	(D)	(D)	(D)	1 137
1796	Installing building equipment, n.e.c.	36	373	304	9 119	6 995	546	27 516	26 787
1799	Special trade contractors, n.e.c.	193	(D)	787	(D)	(D)	(D)	(D)	39 044
6552	Subdividers and developers, n.e.c.	30	195	22	2 119	198	*28	15 870	4 255

¹Land receipts for SIC 1531 were \$11,641; for SIC 6552 were \$3,499.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
1 315 858	1 018 635	603 194	35 320	62 839	740 334	52 582	2 349 977	1 091 896	1	1	3	15,16, 17
												15
71 586 6 907	67 156 15 980	37 697 39 219	1 040 247	2 889 248	30 154 4 872	5 142 702	215 206 44 579	76 908 11 197	7 9	7 9	11 15	152 1521 1522
21 650	36 168	47 110	372	1 497	35 960	1 540	135 327	32 408	13	13	12	1531
47 044 141 670	(D) 148 099	28 948 260 410	1 074 3 760	2 125 7 102	17 362 54 298	2 840 4 576	154 906 366 680	62 255 100 939	8 2	8 2	21 5	154 1541 1542
												16
162 938	101 237	28 774	5 217	12 925	150 140	4 016	197 459	101 065	2	1	1	1611
34 853 77 523 93 010	26 942 57 454 80 471	9 181 16 681 56 438	872 3 771 3 250	3 005 5 014 6 307	29 595 72 922 65 005	1 896 2 766 4 907	85 924 110 229 187 547	37 041 55 457 109 131	2 3 3	3 3 4	1 6 2	162 1622 1623 1629
												17
165 659	136 319	33 792	3 771	3 847	51 430	5 507	233 678	118 589	5	3	7	1711
23 243	(D)	1 804	523	904	8 287	1 095	29 324	22 472	10	10	15	1721
96 150	64 702	7 328	1 323	2 297	26 621	4 095	146 116	93 462	5	4	7	1731
18 833 77 062 *1 053	9 221 47 653 *948	830 3 065 *113	330 764 *22	513 1 001 *7	9 340 13 284 418	1 534 2 309 125	37 891 77 173 3 543	26 198 47 221 2 003	12 5 43	12 3 41	22 8 63	174 1741 1742 1743
16 503 13 472	12 893 12 797	1 822 1 360	319 213	874 568	5 306 3 031	1 294 399	31 137 16 406	19 517 8 157	10 16	12 16	22 13	175 1751 1752
45 911	34 553	3 633	1 339	1 633	14 138	1 967	67 206	36 146	8	7	3	1761
47 269	37 597	5 565	918	1 059	24 395	1 700	51 624	26 220	6	7	9	1771
14 665	9 251	454	201	717	13 075	596	33 514	19 937	16	8	5	1781
14 787 10 300 68 500 (D) 15 936 (D)	7 575 7 913 31 405 186 11 011 16 191	1 529 77 10 074 (D) *729 (D)	834 117 4 487 9 137 349	142 137 6 969 15 64 962	3 393 2 034 91 286 59 1 845 8 482	297 223 1 640 39 261 923	11 295 6 736 59 208 961 11 966 26 784	7 560 4 739 43 533 879 8 803 16 229	17 15 6 7 9 -	9 13 11 11 10 12	3 21 1794 (W) (W) 1796	179 1791 1793 1794 1796 1799
3 357	1 585	1 615	55	11	3 591	193	7 564	3 837	10	10	16	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	5 453	6 307	4 682	3 991	3	3	4	4
Number of establishments in business at end of year	5 283	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 432	4 269	3 271	3 255	4	5	5	5
All employees**	42 414	52 582	38 283	35 216	1	1	2	1
Construction workers:								
March	31 704	42 044	28 960	26 422	2	1	3	2
May	35 206	47 241	32 861	30 168	2	2	2	2
August	37 019	49 075	35 563	34 773	2	2	1	1
November	33 847	42 913	30 157	31 237	2	1	2	2
Average	35 015	45 352	32 382	31 028	2	1	2	1
Other employees:								
March	7 349	6 794	5 817	4 002	2	2	3	2
Construction worker hours (thousands):								
January to March	12 413	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	14 487	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	15 496	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	13 984	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	56 382	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	695 505	627 580	336 787	218 673	1	1	2	1
Payroll, construction workers	536 063	509 515	270 154	184 081	1	1	2	1
Payroll, other employees	159 442	118 065	66 633	34 614	1	1	2	1
First quarter payroll, all employees	150 140	133 945	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	119 961	103 362	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	92 139	64 015	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	27 822	39 347	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts	2 952 829	2 437 942	1 394 647	902 187	1	1	3	1
Total construction receipts	2 870 903	2 349 977	1 350 067	879 463	1	1	3	1
Receipts for work subcontracted in from others	607 457	483 395	244 941	139 229	2	2	3	3
Land receipts ¹	15 140	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Other business receipts	66 785	87 965	44 580	22 981	4	2	7	4
Net construction receipts ^t	2 267 709	1 893 902	1 002 738	697 843	1	1	2	1
Value added ^{††}	1 315 858	1 091 896	589 972	398 300	1	1	2	1
Selected payments	1 621 830	1 326 936	788 761	499 935	1	1	4	1
Materials, components, and supplies ²	947 260	823 817	441 432	318 447	1	1	2	1
Construction work subcontracted to others	603 194	456 075	347 329	181 641	2	2	8	2
Selected power, fuels, and lubricants	71 375	47 045	(NA)	(NA)	2	1	(NA)	(NA)
Electricity	7 429	4 962	(NA)	(NA)	3	2	(NA)	(NA)
Natural gas	4 958	3 723	(NA)	(NA)	5	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	54 374	33 328	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases	4 612	5 040	(NA)	(NA)	4	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	1 612	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	35 320	24 896	(NA)	(NA)	3	2	(NA)	(NA)
For machinery and equipment	26 163	19 568	14 648	13 145	3	2	2	3
For structures	9 156	5 328	(NA)	(NA)	5	3	(NA)	(NA)
Selected purchased services	56 283	53 871	(NA)	(NA)	2	2	(NA)	(NA)
Communication services	12 210	9 262	(NA)	(NA)	2	4	(NA)	(NA)
Repairs to structures and related facilities	2 417	1 821	(NA)	(NA)	7	8	(NA)	(NA)
Repairs to machinery and equipment	41 654	42 787	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	2 870 903	2 349 977	1 350 067	879 463	1	1	3	1
Government owned	790 300	570 405	468 506	328 930	3	1	2	2
Privately owned	2 080 603	1 779 572	881 561	550 533	2	1	4	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll:
1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	711 372	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	62 839	95 473	58 611	32 460	3	2	4	4
New	44 299	71 894	41 321	24 173	2	2	4	3
Used	18 540	23 579	17 290	8 287	5	4	4	10
Retirements and disposition of depreciable assets	33 877	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	740 334	527 164	321 744	(NA)	2	1	3	(NA)
Depreciation charges during year	84 098	52 062	35 328	(NA)	2	2	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	117 917	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	8 451	15 167	6 806	5 949	5	10	15	18
New structures and related facilities	7 679	12 824	4 861	3 628	6	7	14	8
Used structures and related facilities	772	2 343	1 945	2 321	18	13	16	29
Retirements and disposition of depreciable assets	6 659	(NA)	(NA)	(NA)	30	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	119 709	90 551	50 893	(NA)	3	3	6	(NA)
Depreciation charges during year	8 848	4 459	2 742	(NA)	6	4	6	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	593 455	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	54 387	80 307	51 805	26 511	3	3	4	5
New machinery and equipment, including automobiles and trucks	36 620	59 071	36 460	20 545	3	2	4	3
New automobiles and trucks, intended primarily for highway use	11 586	20 169	(NA)	(NA)	5	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	17 767	21 236	15 345	5 966	6	4	4	7
Retirements and disposition of depreciable assets	27 218	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	620 624	436 613	270 851	(NA)	2	1	3	(NA)
Depreciation charges during year	75 250	47 603	32 586	(NA)	3	2	4	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	5 453	3
Total construction receipts	2 870 903	1
Establishments with inventories:		
Number	1 480	10
Total construction receipts	1 207 900	2
Inventories:		
End of 1982, total	70 257	8
Value for establishments with LIFO reserve	3 242	4
Amount of LIFO reserve	692	14
Value for establishments with no LIFO reserve	67 015	8
End of 1981, total	61 367	5
Value for establishments with LIFO reserve	4 250	5
Amount of LIFO reserve	769	18
Value for establishments with no LIFO reserve	57 117	6
Establishments with no inventories:		
Number	3 973	3
Total construction receipts	1 663 003	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments -----	5 453	3 504	1 049	510	289	61	30	6	3	-
All employees** -----	42 414	7 003	6 720	6 670	8 949	4 228	4 102	2 364	2 377	-
Payroll, all employees -----	695 505	71 201	89 290	102 405	164 460	89 436	83 413	57 686	37 614	-
Construction worker hours (thousands) -----	56 382	8 627	8 272	8 450	12 017	6 632	6 030	3 695	2 656	-
All business receipts -----	2 952 829	367 559	391 242	389 874	1 710 222	(D)	(D)	(D)	93 931	-
Total construction receipts -----	2 870 903	358 116	380 681	378 984	620 008	370 704	405 868	262 611	93 931	-
Net construction receipts† -----	2 267 709	297 281	321 441	321 179	466 984	275 410	311 921	273 493	(D)	-
Value added†† -----	1 315 858	164 847	176 886	188 939	277 186	162 564	191 069	95 163	59 202	-
Payments for materials, components, supplies, and fuels -----	1 018 635	136 859	151 146	141 638	216 392	122 194	250 404	(D)	(D)	-
Payments for construction work subcontracted to others -----	603 194	60 835	59 240	57 805	153 024	95 294	93 947	83 049	(D)	-
Rental payments for machinery, equipment, and structures -----	35 320	3 706	4 901	4 304	7 390	6 665	4 069	4 282	(D)	-
Capital expenditures, other than land -----	62 839	8 087	8 179	9 265	11 884	8 346	9 052	8 024	(D)	-
End-of-year gross book value of depreciable assets -----	740 334	114 983	102 957	88 732	180 324	96 659	79 308	77 369	(D)	-
1977										
All employees** -----	52 582	8 145	7 636	8 464	10 126	5 881	4 473	3 038	4 819	(D)
Total construction receipts -----	2 349 977	334 910	306 615	352 790	497 803	296 426	246 858	146 231	165 345	(D)
Value added†† -----	1 091 896	142 263	135 051	161 060	222 727	150 582	110 167	65 884	104 162	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees** -----	1	3	5	5	4	(W)	(W)	(W)	(W)	-
Net construction receipts† -----	1	5	6	4	1	(W)	(W)	(W)	(W)	-
Capital expenditures, other than land -----	3	10	17	9	1	(W)	(W)	(W)	(W)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	5 453	718	580	1 057	1 370	766	456	315	109	46	35
All employees** -----	42 414	823	975	2 445	5 658	4 858	5 320	6 584	4 817	3 238	7 695
Payroll, all employees -----	695 505	2 328	5 597	20 185	57 140	65 199	86 084	122 915	102 077	68 409	165 570
Construction worker hours (thousands) -----	56 382	635	1 059	2 956	6 252	6 352	6 865	8 995	6 913	5 168	11 182
All business receipts -----	2 952 829	8 268	20 967	76 681	215 579	260 122	320 516	501 387	382 633	1 166 674	(D)
Total construction receipts -----	2 870 903	8 150	20 685	75 333	210 664	255 251	308 614	482 645	362 782	309 793	836 985
Net construction receipts† -----	2 267 709	7 360	18 874	69 500	193 151	225 801	253 336	402 635	286 033	238 660	572 357
Value added†† -----	1 315 858	4 637	11 459	42 934	110 271	125 654	143 603	228 970	180 260	136 755	331 312
Payments for materials, components, supplies, and fuels -----	1 018 635	2 797	7 606	27 719	85 846	103 986	117 626	189 979	124 231	107 425	251 417
Payments for construction work subcontracted to others -----	603 194	790	1 811	5 833	17 513	29 449	55 277	80 010	76 749	71 133	264 628
Rental payments for machinery, equipment, and structures -----	35 320	116	302	629	2 774	2 838	3 641	7 435	5 308	4 113	8 161
Capital expenditures, other than land -----	62 839	92	294	1 959	5 262	6 438	5 137	12 083	8 195	7 258	16 118
End-of-year gross book value of depreciable assets -----	740 334	2 920	6 409	22 577	73 472	90 713	53 252	144 392	115 855	83 381	147 359
1977											
All employees** -----	52 582	1 251	1 988	3 240	8 012	6 083	5 827	8 393	4 955	112 834	(NA)
Total construction receipts -----	2 349 977	11 773	38 577	80 605	260 388	231 431	279 782	429 816	307 671	1709 934	(NA)
Value added†† -----	1 091 896	6 126	22 033	43 084	128 218	115 590	120 535	197 000	139 252	1320 057	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	7	9	7	8	7	5	2	(W)	(W)	(W)
Net construction receipts† -----	1	7	7	6	5	6	6	4	(W)	(W)	(W)
Capital expenditures, other than land -----	3	29	30	15	13	16	11	8	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts‡	2 870 903	2 275 374	595 529	1	1	2
Building construction						
Single-family houses						
Single-family houses, detached	1 730 637	1 395 156	335 480	1	1	2
473 918	348 609	125 308	4	5	4	4
406 241	290 913	115 328	3	5	5	5
67 676	57 696	9 980	13	16	17	17
Apartment buildings with two or more apartments	110 598	94 952	15 646	3	3	6
Other residential buildings	42 535	37 965	4 569	4	5	7
Office and bank buildings						
Office buildings	236 345	196 554	39 791	1	2	3
Bank buildings and other financial institutions	197 093	166 001	31 091	2	2	3
Farm buildings						
Industrial buildings and warehouses						
Industrial buildings	91 066	79 633	11 432	9	9	12
Warehouses	288 811	228 318	60 492	3	4	3
197 950	149 755	48 194	4	5	4	4
Stores, restaurants, public garages, and automobile service stations	90 861	78 563	12 297	5	6	8
Religious buildings	164 386	131 884	32 502	4	3	9
Educational buildings	42 702	35 424	7 277	3	4	4
Hospitals and institutional buildings	140 140	123 530	16 609	2	3	5
Amusement, social, and recreational buildings	90 820	73 008	17 811	2	2	4
Other nonresidential buildings	40 448	38 061	2 386	2	3	6
8 868	7 218	1 657	20	24	6	6
Nonbuilding construction						
Highways, streets, and related facilities	892 783	673 908	218 874	1	1	2
Bridges, tunnels, and elevated highways	297 597	177 289	120 307	2	2	2
Dam and reservoir construction	69 586	56 217	13 368	3	4	2
Conservation and development construction	12 692	9 734	2 957	7	6	11
Power and communication transmission lines, towers, and related facilities	23 062	19 587	3 474	8	7	13
51 284	35 208	16 075	4	4	9	9
Sewers, water mains, and related facilities						
Sewers, sewer lines, and related facilities	107 362	93 674	13 687	2	2	7
Water mains and related facilities	72 141	67 448	4 693	2	1	20
Pipeline, other than sewer or water lines	35 220	26 226	8 994	4	5	6
Sewage treatment and water treatment plants	16 676	14 711	1 965	13	14	16
Sewage treatment plants	59 941	55 496	4 445	1	1	4
Water treatment plants	41 176	(D)	(D)	2	—	—
18 764	(D)	(D)	1	—	—	—
Railroads						
Heavy industrial facilities	40 451	(D)	(D)	6	—	—
Blast furnaces, petroleum refineries, and chemical complexes	136 170	123 383	12 787	1	1	3
Power plants	116 808	107 306	9 502	1	1	5
Other nonbuilding construction	19 361	16 077	3 284	3	3	5
77 962	(D)	(D)	9	—	—	—
Construction work, n.s.k.	247 482	206 308	41 173	4	4	5
1977						
Total construction receipts‡	2 349 977	1 957 428	392 549	1	1	2
Building construction						
Single-family houses						
Single-family houses, detached	1 548 166	1 273 339	274 827	1	1	2
510 934	410 096	100 838	3	4	5	
Apartment buildings with two or more apartments	83 638	75 111	8 527	7	7	7
Other residential buildings	27 152	20 605	6 547	3	4	4
Office and bank buildings	127 161	105 669	21 492	1	2	3
Farm buildings	38 800	34 676	4 124	4	4	4
Industrial buildings and warehouses						
Stores, restaurants, public garages, and automobile service stations	321 344	247 727	73 617	1	2	3
Religious buildings	114 959	97 961	16 998	3	3	7
Educational buildings	35 247	27 979	7 268	3	3	7
Hospitals and institutional buildings	108 033	92 934	15 099	4	4	3
Other nonresidential buildings	151 803	136 670	15 133	1	1	4
29 097	23 912	5 185	4	4	11	11
Nonbuilding construction						
Highways, streets, and related facilities	702 416	598 338	104 078	1	1	2
Bridges, tunnels, and elevated highways	198 053	155 001	43 052	2	2	1
Dam and reservoir construction	71 909	(D)	(D)	1	—	—
Conservation and development construction	21 673	20 921	752	1	1	(W)
Power and communication transmission lines, towers, and related facilities	41 802	36 948	4 854	6	6	10
35 783	(D)	(D)	8	—	—	—
Sewers, water mains, and related facilities						
Pipeline, other than sewer or water lines	103 570	92 037	11 533	5	5	6
Sewage treatment and water treatment plants	14 115	11 943	2 172	2	2	4
Heavy industrial facilities	32 785	32 211	574	4	5	7
Power plants	61 599	56 004	5 595	(W)	(W)	(W)
Other nonbuilding construction	64 971	62 164	2 807	3	3	(W)
56 156	41 665	14 491	6	8	9	9
Construction work, n.s.k.	99 423	85 636	13 787	6	5	7

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
	A	B	C	D	E	F	G	
15,16, 17	Construction industries and subdividers and developers-----	5 453	35 015	56 382	31 704	12 413	35 206	14 487
15	Construction industries:							
152	General building contractors and operative builders:							
1521	General contractors, residential buildings:							
1522	Single-family houses -----	830	2 687	4 023	2 406	914	2 609	1 010
	Other residential buildings -----	81	352	569	330	129	352	152
1531	Operative builders -----	190	536	860	698	284	509	209
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	108	1 034	1 925	995	446	1 101	531
1542	Nonresidential buildings, n.e.c. -----	251	3 662	6 776	3 289	1 432	3 805	1 782
16	Heavy construction general contractors:							
1611	Highway and street construction -----	121	2 437	4 419	1 798	750	2 709	1 174
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	28	835	1 512	568	240	766	358
1623	Water, sewer, and utility lines -----	177	2 018	3 698	1 861	811	2 047	975
1629	Heavy construction, n.e.c. -----	156	2 639	4 761	2 649	1 116	2 680	1 254
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	809	4 345	6 518	3 917	1 499	4 204	1 593
1721	Painting, paper hanging, and decorating -----	261	863	1 160	684	240	856	305
1731	Electrical work -----	425	2 109	3 690	1 979	875	2 008	892
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	230	947	1 126	969	293	920	291
1742	Plastering, drywall, and insulation work -----	205	2 116	3 134	2 001	721	2 247	870
1743	Terrazzo, tile, marble, and mosaic work -----	*17	*45	*59	*55	*15	*43	*16
175	Carpentering and flooring:							
1751	Carpentering -----	321	823	1 134	724	247	825	300
1752	Floor laying and other floorwork -----	72	322	480	287	100	307	118
1761	Roofing and sheet metal work -----	209	1 348	1 941	1 182	394	1 297	493
1771	Concrete work -----	239	2 223	2 558	1 890	544	2 248	630
1781	Water well drilling -----	61	277	509	270	128	312	142
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	36	409	638	380	154	378	134
1793	Glass and glazing work -----	34	203	380	194	88	196	94
1794	Excavating and foundation work -----	322	1 624	2 686	1 399	542	1 579	665
1795	Wrecking and demolition work -----	5	41	(D)	36	(D)	33	16
1796	Installing building equipment, n.e.c. -----	36	304	546	293	128	324	148
1799	Special trade contractors, n.e.c. -----	193	787	(D)	825	(D)	821	314
6552	Subdividers and developers, n.e.c. -----	30	22	*28	21	23	25	*8

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—											SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K		
H	I	J	K												
37 019	15 496	33 847	13 984	2	1	2	2	2	2	2	2	2	2	2	15,16, 17
															15
2 949 363	1 116 148	2 563 337	981 139	8 8	7 6	8 6	9 8	8 9	8 10	11 12	12 9	8 7	9 9	152 1521 1522	
505	197	408	168	18	18	31	35	15	17	17	18	16	19	1531	
1 057 3 751	513 1 817	939 3 689	433 1 743	8 2	7 2	7 2	8 3	8 2	8 2	9 3	8 2	10 2	9 2	154 1541 1542	
															16
2 820	1 347	2 370	1 146	2	2	3	2	4	4	3	2	3	2	2 1611 162	
877 2 102 2 859	427 1 035 1 311	1 123 1 948 2 285	485 875 1 079	1 3 3	2 3 3	2 3 3	3 3 3	1 3 3	2 3 3	1 3 3	2 4 3	1 4 4	2 5 4	2 1622 1623 1629	
															17
4 465	1 735	4 474	1 690	6	4	6	5	6	5	6	5	7	5	5 1711	
960	347	808	267	10	11	11	16	10	14	13	15	11	16	16 1721	
2 155	965	2 094	956	5	5	5	7	5	6	5	6	5	5	2 1731 174	
834 2 073 *41	260 814 *16	876 2 084 32	281 727 *10	13 5 43	14 5 48	16 5 44	22 6 64	14 7 44	16 6 64	14 5 43	17 6 64	14 6 40	18 6 73	1741 1742 1743	
825 358	298 146	746 305	288 115	11 16	12 16	11 17	17 22	11 16	16 20	11 16	16 18	11 18	16 21	175 1751 1752	
1 587	582	1 204	471	9	8	10	10	9	10	11	11	9	9	9 1761	
2 596	774	2 054	609	6	9	8	13	7	11	5	11	8	11	11 1771	
303	133	214	106	14	12	14	15	16	15	16	15	16	18	18 1781	
434 200 1 761 47 299 769	165 96 779 (D) 138 (D)	435 205 1 657 48 281 652	183 100 698 (W) 131 (D)	17 15 6 — 8 10	15 19 7 — 9 —	13 14 7 (W) 6 11	14 23 9 — 8 —	18 15 7 (W) 7 12	15 22 8 (W) 10 13	19 16 7 (W) 7 11	18 22 8 — 9 —	19 14 7 (W) 12 11	18 20 8 — 12 —	18 1791 1793 1794 1795 1796 1799	
24	*7	*12	(S)	34	41	35	68	31	66	31	74	46	-	- 6552	

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

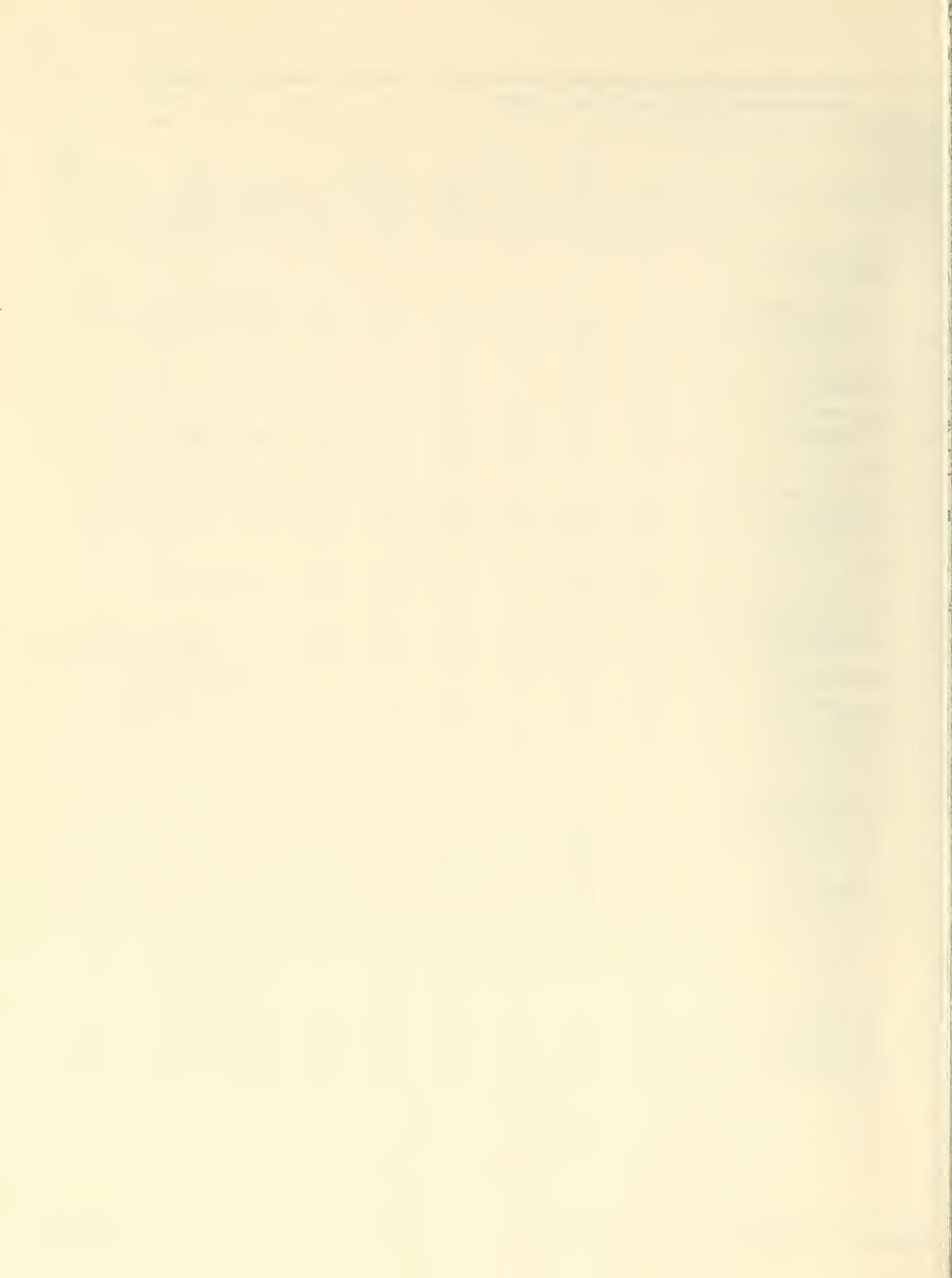
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	7.8	16.4	1.6	82.0	.242	.355	.210	.022	.012
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses-----	3.7	11.2	1.5	63.9	.203	.391	.219	.017	.006
1522	Other residential buildings-----	5.3	19.0	1.6	175.6	.131	.259	.635	.004	.004
1531	Operative builders -----	4.6	12.9	1.6	194.4	.107	.347	.452	.014	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	11.9	17.8	1.9	106.7	.207	(D)	.262	.019	.010
1542	Nonresidential buildings, n.e.c.-----	17.9	18.6	1.9	149.7	.152	.270	.475	.013	.007
16	Heavy construction general contractors:									
1611	Highway and street construction -----	24.2	18.7	1.8	114.2	.197	.364	.103	.046	.019
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	34.1	17.6	1.8	81.5	.246	.396	.135	.044	.013
1623	Water, sewer, and utility lines-----	13.0	19.1	1.8	74.8	.291	.380	.110	.033	.025
1629	Heavy construction, n.e.c.-----	20.1	19.6	1.8	85.6	.271	.356	.250	.028	.014
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	7.1	16.9	1.5	74.7	.300	.420	.104	.012	.012
1721	Painting, paper hanging, and decorating -----	3.6	11.8	1.3	36.2	.355	(D)	.058	.029	.017
1731	Electrical work -----	6.6	20.4	1.7	77.0	.355	.399	.045	.014	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	4.4	10.7	1.2	30.4	.376	.321	.029	.018	.011
1742	Plastering, drywall, and insulation work -----	11.5	17.8	1.5	58.6	.339	.384	.025	.008	.006
1743	Terrazzo, tile, marble, and mosaic work-----	*2.8	*12.9	*1.3	*46.9	*.287	*.449	*.054	*.003	*.010
175	Carpentering and flooring:									
1751	Carpentering-----	2.8	10.8	1.4	37.8	.310	.414	.059	.028	.010
1752	Floor laying and other floorwork -----	5.7	15.4	1.5	85.2	.231	.466	.050	.021	.008
1761	Roofing and sheet metal work -----	8.1	15.9	1.4	60.2	.330	.426	.045	.020	.017
1771	Concrete work -----	9.9	10.1	1.2	40.2	.269	.421	.062	.012	.010
1781	Water well drilling -----	6.4	13.4	1.8	86.3	.220	.387	.019	.030	.008
179	Miscellaneous special trade contractors:									
1791	Structural steel erection-----	12.9	16.6	1.6	56.9	.332	.325	.066	.006	.036
1793	Glass and glazing work-----	8.9	20.1	1.9	75.5	.397	.516	.005	.009	.008
1794	Excavating and foundation work -----	5.9	15.4	1.7	66.7	.271	.290	.093	.064	.041
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.-----	10.4	24.4	1.8	90.5	.331	.400	*.026	.002	.005
1799	Special trade contractors, n.e.c.-----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c.-----	6.5	10.9	*1.3	266.8	.361	.270	.275	.002	.009

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—		
											A	B	E
	KANSAS CITY, MO.-KANS., SMSA												
	Construction industries and subdivider and developers	2 575	27 984	562 469	2 324 335	1 745 979	1 126 349	693 129	578 356	33 647	1	1	
15,16, 17	Construction Industries:												
15	General building contractors and operative builders:												
152	General contractors, residential buildings:												
1521	Single-family houses -----	309	1 213	16 696	87 243	67 027	41 132	27 372	20 216	1 014	8	8	
1522	Other residential buildings -----	35	196	3 570	31 950	6 816	(S)	6 160	25 134	*155	23	21	
1531	Operative builders -----	134	413	6 793	68 309	36 599	18 745	19 390	31 710	809	13	17	
154	General contractors, nonresidential buildings:												
1541	Industrial buildings and warehouses-----	36	708	16 374	130 554	73 995	35 165	40 513	56 559	514	6	3	
1542	Nonresidential buildings, n.e.c. -----	131	2 498	59 383	424 468	163 281	98 205	67 325	261 187	1 833	3	2	
16	Heavy construction general contractors:												
1611	Highway and street construction -----	71	1 706	38 274	222 082	194 212	145 140	57 611	27 870	8 360	3	1	
162	Heavy construction, except highway:												
1622	Bridge, tunnel, and elevated highway construction-----	15	522	9 667	41 650	36 692	21 490	(D)	4 958	557	4	5	
1623	Water, sewer, and utility lines -----	66	1 319	29 157	118 470	100 758	70 759	(D)	17 712	2 406	2	2	
1629	Heavy construction, n.e.c. -----	38	1 868	45 774	177 417	131 648	85 276	50 923	45 769	3 816			
17	Special trade contractors:												
1711	Plumbing, heating, and air conditioning-----	361	3 892	87 071	312 349	265 797	169 945	103 469	46 552	2 042	4	2	
1721	Painting, paper hanging, and decorating -----	145	800	12 640	29 743	28 144	21 724	6 458	1 599	567	13	11	
1731	Electrical work -----	159	1 959	49 636	130 976	121 900	78 874	46 079	9 076	1 806	5	4	
174	Masonry, plastering, and tile setting:												
1741	Masonry, stone setting, and other stonework -----	128	1 145	18 170	37 317	36 477	29 533	(D)	841	354	8	7	
1742	Plastering, drywall, and insulation work -----	144	2 250	49 013	129 427	124 397	79 818	49 360	5 030	1 389	4	3	
1743	Terrazzo, tile, marble, and mosaic work -----	11	80	1 475	3 555	3 549	2 070	(D)	*6	(D)	8	8	
175	Carpentering and flooring:												
1751	Carpentering -----	125	637	7 161	21 668	19 841	12 278	7 641	1 828	*171	13	10	
1752	Floor laying and other floorwork -----	40	288	4 904	15 334	14 733	8 482	6 435	601	(D)	16	15	
1761	Roofing and sheet metal work -----	98	1 213	25 228	77 702	74 902	46 972	30 253	2 800	1 560	7	7	
1771	Concrete work -----	156	2 248	28 124	92 034	86 857	51 532	36 283	5 178	1 695	4	5	
1781	Water well drilling -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	
179	Miscellaneous special trade contractors:												
1791	Structural steel erection -----	31	412	7 761	20 684	19 736	13 743	(D)	948	181	13	9	
1793	Glass and glazing work -----	16	180	4 427	13 478	13 278	8 058	6 033	200	98	8	7	
1794	Excavating and foundation work -----	138	979	15 200	56 201	48 722	35 264	13 989	7 479	2 131	9	6	
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	
1796	Installing building equipment, n.e.c. -----	26	451	12 449	33 983	33 214	22 547	10 674	769	58	2	2	
1799	Special trade contractors, n.e.c. -----	127	808	10 653	37 124	34 200	22 735	13 663	2 924	1 120	10	9	
6552	Subdividers and developers, n.e.c. -----	31	131	1 687	4 289	3 167	2 458	1 060	1 122	90	24	22	



Minnesota

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SUMMARY OF FINDINGS

During 1982, 31,993 establishments in Minnesota operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$6.9 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 22,733 establishments in this State with no payroll accounted for about 13 percent of all business receipts for all construction establishments in Minnesota. On the other hand, 9,260 establishments classified as "employers" accounted for 87 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$6.0 billion, of which \$5.8 billion were receipts for construction work. These establishments paid \$1.4 billion for construction work subcontracted to others, leaving net construction receipts of about \$4.4 billion. Value added for these establishments amounted to \$2.6 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Minnesota paid \$1.8 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$137 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Minnesota was 73.5 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 17.7 million hours, while hours worked during the third quarter were 27.3 million hours.

Total payroll for 1982 was \$1.5 billion. Payments of \$261 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Minnesota are based on a sample of about 3,650 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	31 993	25 896	73 461	6 894 212	22 733	22 628	884 886	9 260	3 268	73 461	6 009 326	1	1
15,16, 17	Construction industries ¹ -----	31 535	25 545	73 214	6 794 776	22 368	22 301	807 430	9 167	3 244	73 214	5 987 346	1	1
15	General building contractors and operative builders -----	6 799	5 089	17 338	2 341 348	4 456	4 292	249 777	2 343	797	17 338	2 091 571	2	1
16	Heavy construction, general contractors -	1 696	1 171	14 273	1 501 818	985	992	154 003	711	179	14 273	1 347 815	2	1
17	Special trade contractors -----	23 040	19 285	41 603	2 951 610	16 927	17 017	403 650	6 113	2 268	41 603	2 547 960	1	1
1711	Plumbing, heating, and air conditioning-----	2 377	1 599	10 015	768 679	1 258	1 257	50 012	1 119	342	10 015	718 667	2	1
1731	Electrical work -----	1 960	1 305	7 381	527 828	994	1 004	44 851	966	301	7 381	482 977	2	1
6552	Subdividers and developers, n.e.c. ² -----	451	348	241	99 431	365	327	77 456	86	21	241	21 975	17	18
	1977													
	Construction industries and subdividers and developers-----	26 606	22 624	83 149	5 136 053	16 895	17 171	420 524	9 711	5 453	83 149	4 715 529	1	1
15,16, 17	Construction industries ¹ -----	26 349	22 341	82 776	5 088 752	16 715	16 970	397 200	9 634	5 371	82 776	4 691 552	1	1
15	General building contractors and operative builders -----	5 891	4 473	24 641	2 028 616	2 731	2 698	149 450	3 160	1 775	24 641	1 879 166	2	1
16	Heavy construction, general contractors -	1 752	1 281	17 876	1 152 842	878	906	45 144	874	375	17 876	1 107 698	1	1
17	Special trade contractors -----	18 706	16 587	40 259	1 907 294	13 106	13 366	202 606	5 600	3 221	40 259	1 704 688	1	1
1711	Plumbing, heating, and air conditioning-----	1 903	1 418	8 394	458 226	950	981	27 419	953	437	8 394	430 807	3	2
1731	Electrical work -----	1 553	1 078	8 047	365 410	666	678	23 224	887	400	8 047	342 186	3	2
6552	Subdividers and developers, n.e.c. ² -----	264	283	376	47 306	180	201	23 324	84	82	376	23 982	21	26

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll					Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts			
	A	B	C	D	E	F	G	H	I	J	K	J	K	
1982														
The State -----	31 993	25 896	73 461	6 894 212	22 733	22 628	884 886	9 260	3 268	73 461	6 009 326	1	1	
\$10,000,000 or more -----	80	8	17 347	2 401 528	4	4	157 969	76	4	17 347	2 243 559	(W)	(W)	
\$5,000,000 to \$9,999,999 -----	119	10	7 222	816 180	5	8	36 844	114	2	7 222	779 336	(W)	(W)	
\$2,500,000 to \$4,999,999 -----	215	16	7 606	734 752	11	10	38 271	204	6	7 606	696 481	(W)	(W)	
\$1,000,000 to \$2,499,999 -----	537	53	10 145	821 679	29	34	43 923	508	19	10 145	777 756	2	3	
\$500,000 to \$999,999 -----	863	128	8 521	591 485	51	41	33 556	812	87	8 521	557 929	4	4	
\$250,000 to \$499,999 -----	1 305	444	6 695	442 134	205	172	67 753	1 100	272	6 695	374 381	5	5	
\$100,000 to \$249,999 -----	3 532	1 956	9 273	551 657	997	988	147 362	2 535	968	9 273	404 295	5	3	
\$50,000 to \$99,999 -----	3 676	2 843	3 697	259 231	1 935	1 991	133 210	1 741	852	3 697	126 021	5	4	
\$25,000 to \$49,999 -----	3 909	3 452	1 597	138 137	2 934	2 951	102 461	975	501	1 597	35 676	6	6	
Less than \$25,000 -----	17 755	16 984	1 355	137 428	16 562	16 429	123 537	1 193	555	1 355	13 891	6	6	
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	5 202	5 171	81 139	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 954	3 911	26 903	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 278	4 242	12 367	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	3 128	3 105	3 128	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1977														
The State -----	26 606	22 624	83 149	5 136 053	16 895	17 171	420 524	9 711	5 453	83 149	4 715 529	1	1	
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000,000 to \$9,999,999 -----	133	12	22 880	(D)	2	4	(D)	131	8	22 880	1 809 513	(W)	1	
\$2,500,000 to \$4,999,999 -----	173	24	8 623	2 430 219	9	14	49 060	164	10	8 623	571 646	(W)	(W)	
\$1,000,000 to \$2,499,999 -----	536	68	12 825	822 662	14	19	22 215	522	49	12 825	800 447	1	2	
\$500,000 to \$999,999 -----	839	216	9 830	565 747	77	63	50 054	762	153	9 830	515 693	3	4	
\$250,000 to \$499,999 -----	1 291	472	9 234	453 576	94	78	32 654	1 197	394	9 234	420 922	4	4	
\$100,000 to \$249,999 -----	2 815	1 933	10 370	437 400	365	378	53 546	2 450	1 555	10 370	383 854	4	4	
\$50,000 to \$99,999 -----	2 916	2 285	5 262	207 161	845	909	56 927	2 071	1 376	5 262	150 234	6	6	
\$25,000 to \$49,999 -----	3 097	2 943	2 605	110 860	1 788	1 884	61 626	1 309	1 059	2 605	49 234	9	8	
Less than \$25,000 -----	14 808	14 671	1 521	108 430	13 701	13 822	94 442	1 107	849	1 521	13 988	16	5	
\$10,000 to \$24,999 -----	4 522	4 446	1 077	70 267	3 837	3 921	58 688	685	525	1 077	11 579	13	10	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 368	3 388	22 796	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 824	3 834	10 972	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 672	2 679	1 986	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	1982							
			Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipt†	
			All	Construction workers	All employees	Construction workers				
	A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	9 260	73 461	58 060	1 490 342	1 139 218	90 892	5 826 218	4 377 691	
15,16, 17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	1 418	5 570	4 227	68 469	49 959	5 468	377 640	257 415	
1522	Other residential buildings -----	122	1 001	723	20 829	13 774	1 116	109 684	54 838	
1531	Operative builders -----	263	1 923	1 150	35 180	16 511	1 701	1254 390	138 052	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	135	1 748	1 302	35 221	23 700	2 243	185 071	109 731	
1542	Nonresidential buildings, n.e.c. -----	405	7 096	5 596	165 129	123 992	9 900	1 085 905	532 839	
16	Heavy construction general contractors:									
1611	Highway and street construction -----	318	5 628	4 689	122 477	96 631	8 378	559 131	446 804	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	25	788	598	19 181	13 944	1 119	90 558	68 533	
1623	Water, sewer, and utility lines -----	217	3 017	2 580	70 652	59 783	4 479	256 502	211 418	
1629	Heavy construction, n.e.c. -----	151	4 840	3 369	100 955	70 301	5 705	418 568	263 668	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning-----	1 119	10 015	7 590	240 320	183 811	12 364	702 332	597 109	
1721	Painting, paper hanging, and decorating -----	408	1 834	1 585	30 863	25 655	2 158	71 341	68 430	
1731	Electrical work -----	966	7 381	5 751	168 944	134 427	9 658	472 901	466 080	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	393	1 703	1 554	25 591	21 698	1 915	74 168	71 470	
1742	Plastering, drywall, and insulation work -----	370	3 504	2 940	74 712	59 952	4 019	193 435	180 982	
1743	Terrazzo, tile, marble, and mosaic work -----	57	331	277	6 814	5 426	382	19 763	19 596	
175	Carpentering and flooring:									
1751	Carpentering -----	775	2 524	2 225	31 660	25 943	2 918	112 147	101 434	
1752	Floor laying and other floorwork -----	122	633	483	9 907	7 757	647	25 786	24 135	
1761	Roofing and sheet metal work -----	294	3 114	2 486	66 281	50 725	3 692	197 252	187 252	
1771	Concrete work -----	508	3 174	2 728	53 322	42 398	3 770	180 984	166 332	
1781	Water well drilling -----	102	580	474	9 375	7 085	661	38 356	37 803	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	48	1 107	1 001	26 145	23 316	1 412	48 318	46 582	
1793	Glass and glazing work -----	59	537	370	12 308	8 777	597	43 103	42 590	
1794	Excavating and foundation work -----	471	2 684	2 279	42 834	34 523	3 423	154 778	139 996	
1795	Wrecking and demolition work -----	7	84	63	1 480	1 250	89	3 708	(D)	
1796	Installing building equipment, n.e.c. -----	86	1 118	878	28 714	21 849	1 424	79 595	76 530	
1799	Special trade contractors, n.e.c. -----	328	1 280	1 050	19 160	15 159	1 522	57 896	(D)	
6552	Subdividers and developers, n.e.c. -----	86	241	86	3 813	866	120	12 900	9 882	

¹Land receipts for SIC 1531 were \$30,261; for SIC 6552 were \$8,175.

1982—Con.

1977

Relative standard
error of estimate
(percent) for
column—

SIC code

Value added†	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added†	B	H	M
I	J	K	L	M	N	O	P	Q			
2 562 920	1 959 441	1 448 526	81 909	151 096	1 461 472	83 149	4 561 549	2 035 222	1	1	1
											15,16, 17
144 031	129 538	120 225	2 470	5 102	46 911	9 416	484 394	172 944	4	4	6
26 902	29 299	54 846	969	(D)	29 597	979	89 423	26 863	6	6	—
74 049	65 535	116 338	1 746	2 428	45 910	2 869	304 526	84 718	6	5	10
51 031	61 673	75 340	1 485	1 312	21 216	3 566	269 572	85 050	6	5	8
367 660	191 775	553 066	8 183	(D)	168 864	7 811	649 586	125 679	2	1	—
											1541 1542
221 231	241 349	112 327	19 359	17 135	268 915	6 337	395 712	205 612	3	2	2
(D)	(D)	22 025	836	1 256	37 082	792	53 524	19 775	4	1	1
124 590	91 818	45 083	8 706	9 716	100 652	4 023	219 979	112 312	3	3	3
(D)	173 796	154 900	5 332	9 136	224 488	6 724	420 493	223 838	2	1	1
											1629
											17
347 567	265 877	105 223	8 538	11 832	108 385	8 394	424 172	205 772	2	2	2
50 393	18 885	2 911	1 166	1 673	12 311	1 790	50 484	37 513	7	5	8
279 502	196 653	6 821	3 693	4 840	60 401	8 047	337 043	210 310	2	1	6
42 170	29 968	2 697	821	1 335	14 021	2 205	80 396	46 083	6	5	13
116 104	(D)	12 453	2 090	2 482	21 474	3 354	113 351	65 528	4	3	11
12 474	(D)	167	35	137	2 823	406	16 175	9 794	9	11	3
56 723	46 291	10 713	823	1 841	16 660	1 911	58 773	31 011	6	6	13
15 233	11 118	1 651	509	160	2 526	791	27 409	13 875	10	10	3
											1751 1752
114 647	74 110	10 000	1 908	2 668	33 212	2 835	125 029	68 573	3	2	4
94 313	78 084	14 652	4 283	6 468	62 656	2 892	115 040	62 211	6	5	7
25 312	12 994	553	814	899	18 875	682	41 537	22 103	9	10	10
39 547	7 482	1 736	1 289	829	10 500	1 015	30 774	25 489	5	5	1
22 237	24 065	512	527	376	3 393	243	13 370	6 197	9	5	15
108 289	38 749	14 782	4 815	10 358	119 600	2 687	116 224	86 434	6	5	5
3 049	585	(D)	74	(D)	2 157	(S)	(S)	(S)	—	—	1795
55 764	3 065	707	1 255	1 255	10 059	1 049	43 550	34 294	4	4	1
38 696	18 116	(D)	623	1 185	13 129	1 839	62 770	42 836	8	—	10
7 932	2 850	3 018	103	264	5 646	376	15 315	7 992	17	18	26
											6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year -----	9 260	9 711	7 975	6 871	2	2	3	3
Number of establishments in business at end of year -----	9 034	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners -----	3 268	5 453	4 642	5 017	3	4	5	5
All employees** -----	73 461	83 149	74 747	67 118	1	1	2	1
Construction workers:								
March-----	45 635	50 598	46 713	42 820	1	1	2	1
May-----	57 649	72 434	60 627	58 782	1	1	2	1
August-----	66 675	81 332	73 659	71 037	1	1	2	1
November-----	58 425	73 584	66 669	58 642	1	1	2	1
Average-----	58 060	69 540	62 817	58 605	1	1	2	1
Other employees:								
March-----	15 277	12 799	11 581	8 095	1	1	2	2
Construction worker hours (thousands):								
January to March-----	17 721	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June-----	22 818	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September-----	27 312	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December-----	23 040	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked-----	90 892	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees -----	1 490 342	1 154 289	812 253	534 369	1	1	2	1
Payroll, construction workers-----	1 139 218	932 707	656 103	451 251	1	1	2	1
Payroll, other employees-----	351 123	221 582	156 150	83 297	1	1	2	1
First quarter payroll, all employees -----	299 432	208 758	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits-----	260 798	216 502	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures-----	201 741	133 641	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures-----	59 056	82 861	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts-----	6 009 326	4 715 529	2 925 836	2 011 510	1	1	2	1
Total construction receipts-----	5 826 218	4 561 549	2 840 363	1 972 737	1	1	2	1
Receipts for work subcontracted in from others-----	1 210 683	982 948	500 827	296 884	1	1	3	2
Land receipts ¹ -----	38 436	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts-----	144 671	153 980	85 473	39 073	2	4	3	5
Net construction receipts†-----	4 377 691	3 593 846	2 186 945	1 572 418	1	1	2	1
Value added††-----	2 562 920	2 035 222	1 339 962	908 190	1	1	2	1
Selected payments-----	3 407 969	2 627 250	1 569 604	1 097 273	1	1	2	1
Materials, components, and supplies ² -----	1 822 309	1 568 612	916 186	696 492	1	1	2	1
Construction work subcontracted to others-----	1 448 526	967 703	653 418	400 329	1	1	2	2
Selected power, fuels, and lubricants-----	137 132	90 935	(NA)	(NA)	1	1	(NA)	(NA)
Electricity-----	12 899	9 631	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas-----	8 523	4 897	(NA)	(NA)	3	3	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)-----	105 148	64 781	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases-----	10 561	11 629	(NA)	(NA)	3	7	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³ -----	4 200	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures-----	81 909	52 119	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment-----	60 524	42 852	37 238	18 850	2	2	2	3
For structures-----	21 385	9 267	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services-----	124 171	112 954	(NA)	(NA)	1	1	(NA)	(NA)
Communication services-----	21 643	15 913	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities-----	5 473	4 188	(NA)	(NA)	3	6	(NA)	(NA)
Repairs to machinery and equipment-----	97 054	92 853	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts-----	5 826 218	4 561 549	2 840 363	1 972 737	1	1	2	1
Government owned-----	1 673 235	1 248 100	1 038 550	806 296	2	1	2	1
Privately owned-----	4 152 983	3 313 449	1 801 813	1 166 441	1	1	2	1

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll:
1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	1 362 600	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land	151 096	169 315	97 898	59 927	1	2	4	2
New	116 535	132 040	76 336	49 281	1	2	5	2
Used	34 561	37 275	21 562	10 646	3	5	6	3
Retirements and disposition of depreciable assets	52 224	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	1 461 472	972 438	611 692	(NA)	1	1	4	(NA)
Depreciation charges during year	147 671	96 265	65 177	(NA)	2	2	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	241 333	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	58 472	28 680	22 379	6 991	1	8	10	8
New structures and related facilities	53 516	26 763	16 876	5 441	1	5	14	10
Used structures and related facilities	4 955	1 917	5 503	1 550	6	12	7	6
Retirements and disposition of depreciable assets	8 845	(NA)	(NA)	(NA)	16	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	290 959	181 074	111 203	(NA)	2	3	6	(NA)
Depreciation charges during year	15 724	8 434	5 799	(NA)	3	5	6	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	1 121 267	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land	92 624	140 635	75 519	52 936	2	3	5	2
New machinery and equipment, including automobiles and trucks	63 018	105 277	59 460	43 840	2	2	4	2
New automobiles and trucks, intended primarily for highway use	20 950	34 766	(NA)	(NA)	4	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	29 605	35 358	16 059	9 096	3	5	7	3
Retirements and disposition of depreciable assets	43 378	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	1 170 512	791 363	500 489	(NA)	1	1	4	(NA)
Depreciation charges during year	131 947	87 830	59 378	(NA)	2	2	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	9 260	2
Total construction receipts	5 826 218	1
Establishments with inventories:		
Number	3 443	5
Total construction receipts	3 132 688	1
Inventories:		
End of 1982, total	184 767	2
Value for establishments with LIFO reserve	7 958	3
Amount of LIFO reserve	1 666	10
Value for establishments with no LIFO reserve	176 809	3
End of 1981, total	163 505	3
Value for establishments with LIFO reserve	8 390	3
Amount of LIFO reserve	1 871	9
Value for establishments with no LIFO reserve	155 115	4
Establishments with no inventories:		
Number	5 817	2
Total construction receipts	2 693 530	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	9 260	6 092	1 740	809	424	119	56	13	4	2
All employees**	73 461	12 042	11 143	10 937	12 528	8 078	8 189	4 730	5 813	(D)
Payroll, all employees	1 490 342	131 411	167 842	208 345	282 355	199 336	221 111	135 625	144 317	(D)
Construction worker hours (thousands)	90 892	13 223	12 258	12 388	15 675	10 441	11 975	6 906	8 021	(D)
All business receipts	6 009 326	639 814	637 362	774 383	3 957 766	(D)	(D)	(D)	(D)	(D)
Total construction receipts	5 826 218	617 459	611 790	753 269	1 091 228	709 285	787 030	537 095	719 060	(D)
Net construction receipts†	4 377 691	525 979	525 283	602 081	817 819	529 895	595 575	329 222	451 837	(D)
Value added††	2 562 920	298 930	313 328	366 364	482 866	293 868	345 094	190 969	271 500	(D)
Payments for materials, components, supplies, and fuels	1 959 442	236 814	229 734	251 892	363 792	251 761	625 448	(D)	(D)	(D)
Payments for construction work subcontracted to others	1 448 526	91 480	86 507	151 188	273 409	179 390	191 455	207 873	267 223	(D)
Rental payments for machinery, equipment, and structures	81 909	6 233	8 656	10 744	15 040	12 874	14 817	5 469	8 074	(D)
Capital expenditures, other than land	151 096	12 519	12 575	12 428	19 119	22 967	62 155	(D)	9 331	(D)
End-of-year gross book value of depreciable assets	1 461 472	174 492	176 259	176 893	242 680	164 272	151 313	375 563	—	(D)
1977										
All employees**	83 149	12 918	12 603	12 862	14 513	9 662	7 462	7 319	5 811	(D)
Total construction receipts	4 561 549	527 858	559 479	661 026	816 447	617 916	1 039 664	(D)	339 159	(D)
Value added††	2 035 222	240 752	262 274	308 933	363 334	299 760	180 859	379 311	—	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	4	3	1	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	3	4	2	1	(W)	(W)	(W)	(W)	—
Capital expenditures, other than land	1	8	8	8	2	(W)	(W)	(W)	(W)	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	9 260	1 193	975	1 741	2 535	1 100	812	508	204	114	76
All employees**	73 461	1 355	1 597	3 697	9 273	6 695	8 521	10 145	7 606	7 222	17 347
Payroll, all employees	1 490 342	4 131	10 782	33 768	109 290	105 190	154 560	217 477	183 475	195 971	475 696
Construction worker hours (thousands)	90 892	1 176	1 546	4 069	9 933	7 481	9 561	12 358	9 579	9 737	25 448
All business receipts	6 009 326	13 891	35 676	126 021	404 295	374 381	557 929	777 756	696 481	779 336	2 243 559
Total construction receipts	5 826 218	13 584	35 093	123 956	398 096	359 799	535 732	753 435	676 793	751 351	2 178 378
Net construction receipts†	4 377 691	12 381	32 658	113 626	360 980	310 970	458 573	629 191	530 263	540 944	1 388 102
Value added††	2 562 920	7 757	19 350	65 428	210 396	187 388	278 846	377 274	304 994	329 067	782 417
Payments for materials, components, supplies, and fuels	1 959 442	4 784	13 732	49 828	154 655	134 708	193 230	269 057	239 763	237 096	662 586
Payments for construction work subcontracted to others	1 448 526	1 202	2 435	10 330	37 115	48 828	77 159	124 243	146 530	210 407	790 276
Rental payments for machinery, equipment, and structures	81 909	273	330	1 304	4 121	4 884	9 108	10 375	10 905	10 859	29 746
Capital expenditures, other than land	151 096	221	486	3 141	9 496	8 091	9 727	12 920	12 266	19 558	75 187
End-of-year gross book value of depreciable assets	1 461 472	4 763	10 685	39 877	128 606	101 504	148 777	178 884	163 234	146 350	538 790
1977											
All employees**	83 149	1 521	2 605	5 262	10 370	9 234	9 830	12 825	8 623	122 880	(NA)
Total construction receipts	4 561 549	13 849	48 594	148 785	374 960	408 627	499 788	767 432	554 199	1745 315	(NA)
Value added††	2 035 222	7 341	29 312	78 371	189 500	195 495	240 664	352 684	266 621	1675 235	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	6	6	5	5	5	4	2	(W)	(W)	(W)
Net construction receipts†	1	6	6	5	4	5	4	2	(W)	(W)	(W)
Capital expenditures, other than land	1	29	21	14	10	12	9	6	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts[‡]	5 826 218	4 662 892	1 163 326	1	1	1
Building construction						
Single-family houses	3 880 189	3 179 556	700 632	1	1	1
Single-family houses, detached	989 020	787 504	201 515	2	2	4
Single-family houses, attached	763 576	582 691	180 885	2	3	3
Apartment buildings with two or more apartments	225 443	204 812	20 630	3	3	7
Other residential buildings	235 840	201 006	34 833	2	3	6
	122 403	105 167	17 236	1	1	4
Office and bank buildings	849 467	727 504	121 962	1	(W)	4
Office buildings	753 605	646 351	107 253	1	(W)	4
Bank buildings and other financial institutions	95 861	81 153	14 708	2	2	4
Farm buildings	130 366	110 058	20 308	5	6	10
Industrial buildings and warehouses	751 030	601 550	149 479	1	1	2
Industrial buildings	549 879	422 877	127 002	1	1	2
Warehouses	201 150	178 673	22 477	3	3	4
Stores, restaurants, public garages, and automobile service stations	265 881	194 190	71 691	2	3	3
Religious buildings	49 856	35 607	14 248	3	3	7
Educational buildings	162 306	130 526	31 780	2	2	5
Hospitals and institutional buildings	257 172	228 885	28 287	1	1	3
Amusement, social, and recreational buildings	40 299	36 496	3 803	6	7	8
Other nonresidential buildings	26 549	21 063	5 490	8	7	18
Nonbuilding construction	1 671 274	1 260 452	410 821	1	1	2
Highways, streets, and related facilities	660 947	408 871	252 075	2	2	3
Bridges, tunnels, and elevated highways	89 579	71 690	17 888	1	(W)	4
Conservation and development construction	39 331	33 621	5 710	7	8	10
Power and communication transmission lines, towers, and related facilities	49 482	37 360	12 122	6	8	8
Sewers, water mains, and related facilities	220 112	181 804	38 308	3	3	5
Sewers, sewer lines, and related facilities	130 849	112 528	18 321	3	3	8
Water mains and related facilities	89 263	69 276	19 986	5	5	5
Pipeline, other than sewer or water lines	37 780	30 226	7 554	6	8	2
Sewage treatment and water treatment plants	176 245	152 241	24 003	1	1	1
Sewage treatment plants	121 824	(D)	(D)	2	—	—
Water treatment plants	54 420	(D)	(D)	2	—	—
Heavy industrial facilities	183 146	167 200	15 946	1	(W)	3
Blast furnaces, petroleum refineries, and chemical complexes	20 043	16 598	3 445	5	3	16
Power plants	163 102	150 601	12 501	(W)	(W)	(W)
Power plants, nuclear	21 062	(D)	(D)	(W)	—	—
Power plants, except nuclear	142 040	(D)	(D)	(W)	—	—
Other nonbuilding construction	214 652	177 439	37 215	10	5	29
Construction work, n.s.k.	274 754	222 882	51 871	3	3	4
1977						
Total construction receipts[‡]	4 561 549	3 881 846	679 703	1	1	1
Building construction						
Single-family houses	3 037 675	2 567 239	470 436	1	1	1
Apartment buildings with two or more apartments	1 112 117	926 719	185 398	2	3	3
Other residential buildings	215 608	193 793	21 815	3	3	4
Office and bank buildings	82 788	70 163	12 625	2	2	6
Farm buildings	216 493	180 151	36 342	1	2	2
	125 721	106 168	19 553	4	4	7
Industrial buildings and warehouses	618 961	526 314	92 647	1	1	2
Stores, restaurants, public garages, and automobile service stations	237 136	194 537	42 599	1	1	4
Religious buildings	53 931	43 776	10 155	4	5	5
Educational buildings	134 916	116 841	18 075	1	1	3
Hospitals and institutional buildings	183 928	159 516	24 412	1	1	3
Amusement, social, and recreational buildings	41 920	36 891	5 029	3	3	5
Other nonresidential buildings	14 157	12 370	1 787	11	12	14
Nonbuilding construction	1 359 307	1 170 237	189 070	1	1	1
Highways, streets, and related facilities	443 773	344 219	99 554	1	1	1
Bridges, tunnels, and elevated highways	60 403	47 978	12 425	3	4	1
Conservation and development construction	49 461	44 462	4 999	(NA)	13	19
Power and communication transmission lines, towers, and related facilities	80 935	55 439	25 496	2	2	5
Sewers, water mains, and related facilities	230 345	213 451	16 894	3	3	7
Sewage treatment and water treatment plants	85 692	81 877	3 815	1	1	2
Heavy industrial facilities	70 908	62 649	8 259	(W)	5	2
Power plants	92 034	90 858	1 176	1	1	13
Other nonbuilding construction	245 756	229 304	16 452	2	1	6
Construction work, n.s.k.	164 598	144 267	20 331	6	6	6

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					D	E	F	G
	A	B	C					
	Construction Industries and subdividers and developers	9 260	58 060	90 892	45 635	17 721	57 649	22 818
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	1 418	4 227	5 468	3 436	1 143	4 249	1 421
1522	Other residential buildings -----	122	723	1 116	617	249	678	271
1531	Operative builders -----	263	1 150	1 701	983	394	1 138	420
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	135	1 302	2 243	984	432	1 311	557
1542	Nonresidential buildings, n.e.c. -----	405	5 596	9 900	4 782	2 012	5 566	2 422
16	Heavy construction general contractors:							
1611	Highway and street construction -----	318	4 689	8 378	1 455	628	4 594	1 998
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	25	598	1 119	376	179	567	277
1623	Water, sewer, and utility lines -----	217	2 580	4 479	1 432	572	2 724	1 255
1629	Heavy construction, n.e.c. -----	151	3 369	5 705	3 099	1 318	3 216	1 337
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	1 119	7 590	12 364	6 935	2 806	7 462	3 042
1721	Painting, paper hanging, and decorating -----	408	1 585	2 158	1 102	388	1 658	572
1731	Electrical work -----	966	5 751	9 658	5 733	2 371	5 870	2 581
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	393	1 554	1 915	963	311	1 558	502
1742	Plastering, drywall, and insulation work -----	370	2 940	4 019	2 823	980	2 827	1 018
1743	Terrazzo, tile, marble, and mosaic work -----	57	277	382	251	90	292	102
175	Carpentering and flooring:							
1751	Carpentering -----	775	2 225	2 918	1 744	584	2 269	753
1752	Floor laying and other floorwork -----	122	483	647	493	162	472	160
1761	Roofing and sheet metal work -----	294	2 486	3 692	2 167	773	2 430	907
1771	Concrete work -----	508	2 728	3 770	1 464	531	2 746	985
1781	Water well drilling -----	102	474	661	366	127	467	165
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	48	1 001	1 412	1 083	389	1 007	357
1793	Glass and glazing work -----	59	370	597	357	130	332	134
1794	Excavating and foundation work -----	471	2 279	3 423	1 335	502	2 120	777
1795	Wrecking and demolition work -----	7	63	89	62	21	70	25
1796	Installing building equipment, n.e.c. -----	86	878	1 424	820	327	874	348
1799	Special trade contractors, n.e.c. -----	328	1 050	1 522	696	263	1 056	387
6552	Subdividers and developers, n.e.c. -----	86	86	120	72	26	89	34

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—											SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K		
H	I	J	K												
66 675	27 312	58 425	23 040	1	1	1	1	1	1	1	1	1	1	1	15,16, 17
															15
4 502 767	1 530 296	4 141 779	1 371 299	4 9	5 8	4 9	7 9	4 8	6 10	4 10	6 11	5 11	7 11	1521 1522	
1 173	443	1 194	443	9	7	7	8	10	9	11	10	11	10	10	1531
1 499 6 131	664 2 863	1 362 5 757	589 2 601	7 2	6 1	7 2	7 2	7 2	7 2	8 2	8 2	7 2	7 2	7 2	1541 1542
															16
7 622	3 693	4 927	2 058	3	2	2	3	3	3	3	4	3	3	3	1611
															162
868 3 364 3 719	409 1 511 1 603	576 2 718 3 382	252 1 139 1 446	4 3 2	3 3 2	3 4 1	4 5 1	6 4 2	4 4 3	3 4 2	3 4 3	5 4 2	3 4 2	3 4 2	1622 1623 1629
															17
7 848	3 271	7 757	3 244	2	2	2	3	2	3	2	2	2	2	2	1711
1 956	687	1 354	508	8	7	8	11	9	10	10	9	7	9	7	1721
5 641	2 388	5 365	2 317	2	2	2	3	2	3	2	3	2	3	2	1731
															174
1 820 3 265 302	604 1 071 104	1 672 2 707 256	496 949 85	6 3 9	7 3 11	8 4 11	11 5 16	7 3 10	10 4 15	7 4 9	9 4 15	7 4 8	9 4 16	7 4 1741 1742 1743	
2 377 501	828 162	2 198 463	751 161	6 10	7 12	5 10	9 15	6 10	9 16	6 10	9 15	7 11	9 11	7 11	175 1751 1752
2 597	1 002	2 614	1 008	3	3	3	4	3	4	3	4	3	4	3	1761
3 448	1 290	2 969	963	6	6	7	9	7	8	7	7	7	7	7	1771
551	201	456	166	10	13	12	21	10	17	8	14	10	10	17	1781
969 351 3 171	345 147 1 291	937 425 2 259	320 184 852	5 8 6	5 9 6	6 10 7	8 13 9	6 9 7	6 13 8	5 9 5	5 12 (W)	5 12 6	5 8 (W)	5 12 (W)	179 1791 1793
50 884 1 210	18 384 462	66 895 1 101	24 363 408	(W) 3 8	(W) 3 9	(W) 4 9	(W) 13 5	(W) 3 3	(W) 4 9	(W) 4 11	(W) 3 9	(W) 4 12	(W) 3 9	(W) 4 12	1794 1795 1796
85	31	90	28	16	21	18	38	15	30	16	32	20	37	37	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

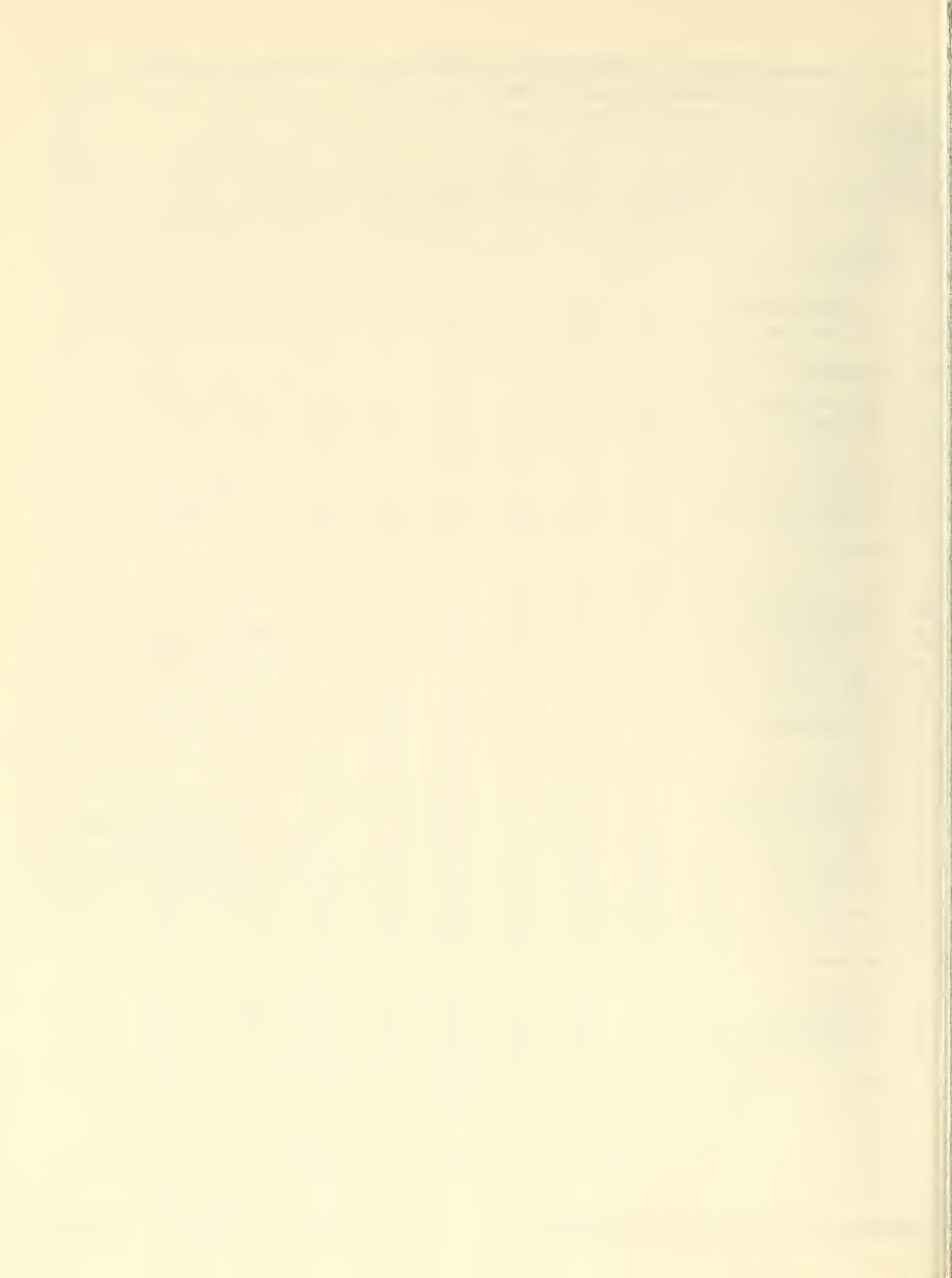
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	7.9	20.3	1.6	100.4	.256	.336	.249	.026	.014
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	3.9	12.3	1.3	89.3	.181	.343	.318	.014	.007
1522	Other residential buildings	8.2	20.8	1.5	151.7	.190	.267	.500	(D)	.009
1531	Operative builders	7.3	18.3	1.5	221.2	.138	.258	.457	.010	.007
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	12.9	20.1	1.7	142.1	.190	.333	.407	.007	.008
1542	Nonresidential buildings, n.e.c.	17.5	23.3	1.8	194.1	.152	.177	.509	(D)	.008
16	Heavy construction general contractors:									
1611	Highway and street construction	17.7	21.8	1.8	119.2	.219	.432	.201	.031	.035
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	31.5	24.3	1.9	151.4	.212	(D)	.243	.014	.009
1623	Water, sewer, and utility lines	13.9	23.4	1.7	99.4	.275	.358	.176	.038	.034
1629	Heavy construction, n.e.c.	32.1	20.9	1.7	124.2	.241	.415	.370	.022	.013
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	8.9	24.0	1.6	92.5	.342	.379	.150	.017	.012
1721	Painting, paper hanging, and decorating	4.5	16.8	1.4	45.0	.433	.265	.041	.023	.016
1731	Electrical work	7.6	22.9	1.7	82.2	.357	.416	.014	.010	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	4.3	15.0	1.2	47.7	.345	.404	.036	.018	.011
1742	Plastering, drywall, and insulation work	9.5	21.3	1.4	65.8	.366	(D)	.064	.013	.011
1743	Terrazzo, tile, marble, and mosaic work	5.8	20.6	1.4	71.3	.345	(D)	.008	.007	.002
175	Carpentering and flooring:									
1751	Carpentering	3.3	12.5	1.3	50.4	.282	.413	.096	.016	.007
1752	Floor laying and other floorwork	5.2	15.7	1.3	53.4	.384	.431	.064	.006	.020
1761	Roofing and sheet metal work	10.6	21.3	1.5	79.3	.336	.376	.051	.014	.010
1771	Concrete work	6.2	16.8	1.4	66.3	.295	.431	.081	.036	.024
1781	Water well drilling	5.7	16.2	1.4	80.9	.244	.339	.014	.023	.021
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	23.1	23.6	1.4	48.3	.541	.155	.036	.017	.027
1793	Glass and glazing work	9.1	22.9	1.6	116.5	.286	.558	.012	.009	.012
1794	Excavating and foundation work	5.7	16.0	1.5	67.9	.277	.250	.096	.067	.031
1795	Wrecking and demolition work	12.0	17.6	1.4	58.9	.399	.158	(D)	.020	.020
1796	Installing building equipment, n.e.c.	13.0	25.7	1.6	90.7	.361	(D)	.039	.016	.009
1799	Special trade contractors, n.e.c.	3.9	15.0	1.4	55.1	.331	.313	(D)	.020	.011
6552	Subdividers and developers, n.e.c.	2.8	15.8	1.4	150.0	.296	.221	.234	.020	.008

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
			A	B	C	D	E	F	G	H	B	E
	MINNEAPOLIS-ST. PAUL, MINN.-WIS., SMSA											
	Construction Industries and subdividers and developers	4 500	47 686	1 065 849	4 114 017	2 956 309	1 780 415	1 276 588	1 157 709	107 742	1	1
15,16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	754	3 308	46 411	(D)	171 193	95 933	87 363	(D)	2 433	5	5
1522	Other residential buildings -----	50	381	8 817	53 598	25 439	13 236	12 620	28 159	600	6	3
1531	Operative builders -----	168	1 377	25 626	201 936	110 213	63 419	48 208	91 723	2 012	7	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	54	748	17 137	103 051	49 325	23 532	26 230	53 726	295	7	4
1542	Nonresidential buildings, n.e.c. -----	169	4 557	120 255	884 288	388 937	296 395	118 281	495 352	(D)	2	1
16	Heavy construction general contractors:											
1611	Highway and street construction -----	103	2 156	49 508	224 276	167 676	67 615	104 797	56 600	5 623	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	4	(D)	(D)	4 826	(D)	(D)	4 384	(D)	(D)	—	—
1623	Water, sewer, and utility lines -----	94	1 925	47 703	184 722	147 328	79 842	68 376	37 394	7 330	4	4
1629	Heavy construction, n.e.c. -----	45	4 128	89 344	352 200	(D)	(D)	143 309	(D)	(D)	1	—
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	544	7 079	189 876	533 338	444 538	269 856	185 052	88 800	9 934	2	2
1721	Painting, paper hanging, and decorating -----	248	1 314	24 216	55 843	53 424	37 910	15 554	2 419	1 531	8	6
1731	Electrical work -----	416	5 043	127 875	345 267	340 077	203 415	141 756	5 191	2 476	2	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	175	1 035	17 872	50 915	48 917	29 479	20 064	1 999	1 003	9	6
1742	Plastering, drywall, and insulation work -----	220	2 970	66 949	169 059	157 708	102 439	(D)	11 351	2 098	5	3
1743	Terrazzo, tile, marble, and mosaic work -----	45	295	6 351	16 809	16 653	10 855	(D)	156	137	10	10
175	Carpentering and flooring:											
1751	Carpentering -----	283	1 236	18 237	59 305	52 810	30 459	23 068	6 495	1 039	8	8
1752	Floor laying and other floorwork -----	74	443	7 343	16 135	15 520	10 008	5 836	615	89	10	9
1761	Roofing and sheet metal work -----	173	2 014	44 790	136 984	129 274	78 432	51 505	7 710	1 782	4	3
1771	Concrete work -----	300	2 189	42 617	130 771	120 399	72 956	52 949	10 372	4 482	6	5
1781	Water well drilling -----	35	346	6 020	23 003	22 678	15 826	(D)	325	667	9	11
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	38	1 021	24 554	44 350	42 761	37 313	5 895	1 589	829	3	3
1793	Glass and glazing work -----	27	424	10 449	37 615	37 364	19 418	20 930	252	362	7	5
1794	Excavating and foundation work -----	178	1 608	28 947	102 095	90 537	72 164	24 625	11 558	7 181	6	5
1795	Wrecking and demolition work -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	—	—
1796	Installing building equipment, n.e.c. -----	48	890	24 260	63 298	60 596	45 151	(D)	2 702	891	3	2
1799	Special trade contractors, n.e.c. -----	197	887	14 349	41 689	39 098	29 175	10 906	2 591	995	10	8
6552	Subdividers and developers, n.e.c. -----	58	174	3 066	9 486	7 371	5 799	2 125	2 115	*215	18	19



Missouri

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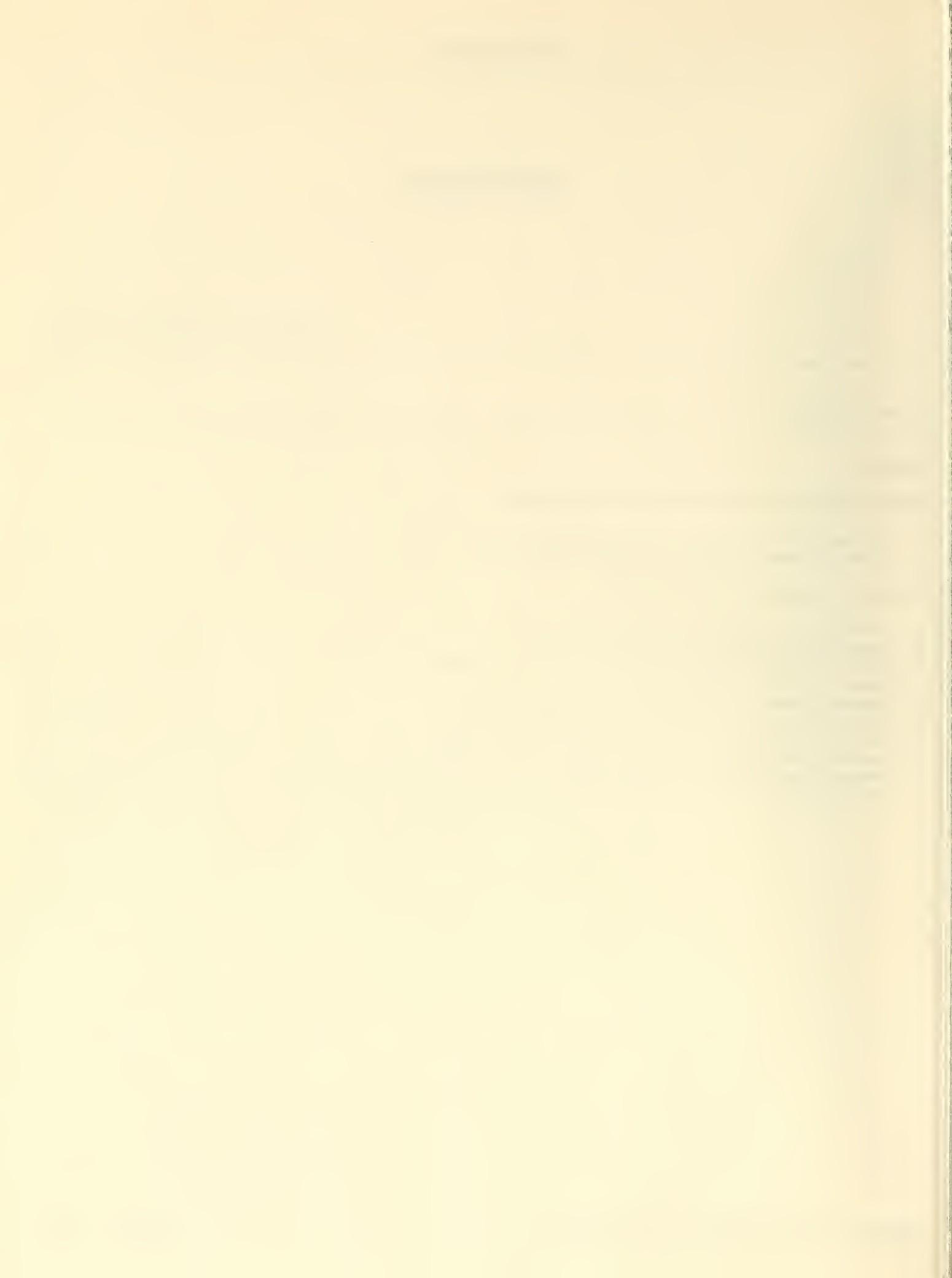
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SUMMARY OF FINDINGS

During 1982, 31,105 establishments in Missouri operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$7.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 21,990 establishments in this State with no payroll accounted for about 9 percent of all business receipts for all construction establishments in Missouri. On the other hand, 9,115 establishments classified as "employers" accounted for 91 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$6.6 billion, of which \$6.5 billion were receipts for construction work. These establishments paid \$1.8 billion for construction work subcontracted to others, leaving net construction receipts of about \$4.6 billion. Value added for these establishments amounted to \$2.9 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Missouri paid \$1.8 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$106 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Missouri was 84.6 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 22.4 million hours, while hours worked during the third quarter were 28.4 million hours.

Total payroll for 1982 was \$1.6 billion. Payments of \$275 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Missouri are based on a sample of about 3,750 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column--	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	31 105	24 853	84 620	7 291 702	21 990	21 803	653 916	9 115	3 050	84 620	6 637 786	1	1
15,16, 17	Construction industries ¹ -----	30 593	24 516	83 991	7 175 320	21 586	21 471	580 683	9 007	3 045	83 991	6 594 637	1	1
15	General building contractors and operative builders -----	6 771	4 965	23 297	2 966 656	4 377	4 243	215 784	2 394	722	23 297	2 750 872	2	1
16	Heavy construction, general contractors -	1 337	834	10 609	990 278	756	754	23 163	581	80	10 609	967 115	2	1
17	Special trade contractors -----	22 485	18 717	50 085	3 218 386	16 453	16 474	341 736	6 032	2 243	50 085	2 876 650	1	1
1711	Plumbing, heating, and air conditioning-----	2 696	1 814	10 404	759 521	1 451	1 455	50 304	1 245	359	10 404	709 217	2	1
1731	Electrical work -----	1 405	990	8 971	657 814	817	811	18 263	588	179	8 971	639 551	1	1
6552	Subdividers and developers, n.e.c. ² -----	506	334	(S)	(S)	404	332	73 233	102	2	(S)	(S)	-	-
	1977													
	Construction industries and subdividers and developers-----	31 859	27 770	89 395	5 099 515	21 314	21 551	441 797	10 545	6 219	89 395	4 657 718	1	1
15,16, 17	Construction industries ¹ -----	31 402	27 426	88 622	5 008 444	20 991	21 223	412 966	10 411	6 203	88 622	4 595 478	1	1
15	General building contractors and operative builders -----	7 285	5 987	27 055	2 123 671	3 613	3 607	185 072	3 672	2 380	27 055	1 938 599	2	2
16	Heavy construction, general contractors -	1 761	1 264	13 190	824 674	968	1 001	28 941	793	263	13 190	795 733	2	1
17	Special trade contractors -----	22 356	20 175	48 377	2 060 099	16 410	16 615	198 953	5 946	3 560	48 377	1 861 146	1	1
1711	Plumbing, heating, and air conditioning-----	2 804	2 145	10 776	567 883	1 516	1 539	35 210	1 288	606	10 776	532 673	2	2
1731	Electrical work -----	1 564	1 251	7 498	308 370	918	926	13 508	646	325	7 498	294 862	2	2
6552	Subdividers and developers, n.e.c. ² -----	462	344	776	91 078	323	328	28 831	139	16	776	62 247	20	14

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	31 105	24 853	84 620	7 291 702	21 990	21 803	653 916	9 115	3 050	84 620	6 637 786	1	1
\$10,000,000 or more -----	75	3	20 039	(D)	1	—	(D)	74	3	20 039	(D)	(W)	—
\$5,000,000 to \$9,999,999 -----	132	8	8 895	3 591 187	5	6	46 299	127	2	8 895	3 544 888	(W)	(W)
\$2,500,000 to \$4,999,999 -----	223	12	8 917	752 529	6	5	20 561	217	7	8 917	731 968	(W)	(W)
\$1,000,000 to \$2,499,999 -----	595	31	12 831	914 376	23	20	34 209	572	*11	12 831	880 167	2	3
\$500,000 to \$999,999 -----	851	98	9 738	599 686	54	39	38 324	797	59	9 738	561 362	5	4
\$250,000 to \$499,999 -----	1 301	415	7 929	450 935	200	167	69 094	1 101	248	7 929	381 841	6	5
\$100,000 to \$249,999 -----	3 126	1 672	9 009	488 129	844	821	125 472	2 282	851	9 009	362 657	5	4
\$50,000 to \$99,999 -----	3 281	2 369	3 994	232 359	1 599	1 594	109 496	1 682	775	3 994	122 863	5	4
\$25,000 to \$49,999 -----	3 601	3 116	1 715	127 927	2 636	2 649	91 795	965	467	1 715	36 132	8	6
Less than \$25,000 -----	17 919	17 127	1 552	134 572	16 622	16 502	118 666	1 297	625	1 552	15 906	6	6
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 840	4 814	74 514	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	4 171	4 129	28 226	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	4 428	4 407	12 743	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	3 183	3 152	3 183	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	31 859	27 770	89 395	5 099 515	21 314	21 551	441 797	10 545	6 219	89 395	4 657 718	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	116	12	18 951	(D)	1	(NA)	(D)	115	12	18 951	1 592 439	1	1
\$2,500,000 to \$4,999,999 -----	183	12	9 752	2 235 896	5	4	31 392	178	8	9 752	612 065	(W)	2
\$1,000,000 to \$2,499,999 -----	555	83	15 480	839 770	18	14	24 757	537	69	15 480	815 013	1	1
\$500,000 to \$999,999 -----	843	200	10 981	588 034	68	56	48 525	775	144	10 981	539 509	3	3
\$250,000 to \$499,999 -----	1 500	649	11 561	532 737	122	110	43 043	1 378	539	11 561	489 694	3	3
\$100,000 to \$249,999 -----	2 989	2 133	11 849	463 652	382	385	57 150	2 607	1 748	11 849	406 502	4	4
\$50,000 to \$99,999 -----	2 489	2 038	5 101	176 704	745	785	50 688	1 744	1 253	5 101	126 016	6	6
\$25,000 to \$49,999 -----	3 418	3 168	3 132	121 104	1 912	2 000	66 082	1 506	1 168	3 132	55 022	10	8
Less than \$25,000 -----	19 765	19 474	(S)	141 619	18 061	18 197	120 160	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999 -----	5 638	5 506	1 821	87 640	4 598	4 668	69 918	1 040	838	1 821	17 722	12	10
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	4 800	4 834	32 400	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	5 319	5 339	15 297	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	3 344	3 356	2 545	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982								
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†	
			All	Construction workers	All employees	Construction workers				
		A	B	C	D	E	F	G	H	
	Construction Industries and subdividers and developers	9 115	84 620	68 595	1 608 657	1 236 615	102 964	6 450 207	4 645 229	
15,16, 17	Construction Industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	1 362	4 843	4 064	53 098	42 717	5 959	277 164	215 024	
1522	Other residential buildings	140	919	783	14 375	11 317	1 044	80 112	38 531	
1531	Operative builders	232	1 910	1 186	34 410	17 200	1 544	1207 486	116 727	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	169	6 288	5 044	147 989	111 662	8 581	861 383	426 540	
1542	Nonresidential buildings, n.e.c.	491	9 337	6 912	183 803	120 661	9 639	1 278 858	500 849	
16	Heavy construction general contractors:									
1611	Highway and street construction	226	3 583	2 987	73 538	57 559	4 947	326 707	261 975	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	18	623	545	13 607	11 152	889	51 874	41 636	
1623	Water, sewer, and utility lines	189	3 485	2 995	71 361	59 416	5 120	229 767	198 873	
1629	Heavy construction, n.e.c.	148	2 918	2 477	57 556	43 413	3 450	316 569	232 995	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	1 245	10 404	8 003	213 236	164 964	12 786	699 100	612 632	
1721	Painting, paper hanging, and decorating	502	3 295	2 907	55 582	46 743	4 131	120 709	115 975	
1731	Electrical work	588	8 971	7 351	220 031	180 752	12 908	607 165	594 633	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	481	3 322	2 984	51 765	43 580	3 670	116 525	114 020	
1742	Plastering, drywall, and insulation work	328	4 382	3 675	91 146	72 278	5 418	238 539	217 162	
1743	Terrazzo, tile, marble, and mosaic work	45	287	240	4 989	3 808	321	12 809	12 656	
175	Carpentering and flooring:									
1751	Carpentering	569	2 788	2 427	40 925	34 731	3 292	116 522	103 792	
1752	Floor laying and other floorwork	126	785	624	12 198	9 194	836	39 500	38 774	
1761	Roofing and sheet metal work	445	4 167	3 353	68 168	50 790	4 451	217 519	202 499	
1771	Concrete work	502	3 509	3 087	53 158	43 623	3 920	174 482	165 173	
1781	Water well drilling	83	317	216	4 535	3 821	422	23 431	22 442	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	73	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
1793	Glass and glazing work	47	677	493	14 389	9 958	802	40 796	39 964	
1794	Excavating and foundation work	550	3 095	2 642	48 681	39 952	3 650	169 418	151 662	
1795	Wrecking and demolition work	13	82	65	947	548	122	5 534	(D)	
1796	Installing building equipment, n.e.c.	71	978	807	23 876	18 873	1 244	68 513	65 104	
1799	Special trade contractors, n.e.c.	364	2 044	1 602	25 874	18 806	2 143	82 871	(D)	
6552	Subdividers and developers, n.e.c.	102	(S)	(S)	(S)	(S)	(S)	(S)	(S)	

¹Land receipts for SIC 1531 were \$21,600.

1982—Con.

1977

Relative standard
error of estimate
(percent) for
column—

SIC code

Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	Relative standard error of estimate (percent) for column—			
	I	J	K	L	M	N	O	P	Q	B	H	M
2 878 793	1 918 251	1 804 977	65 942	105 534	1 180 821	89 395	4 500 045	2 062 343	1	1	2	15,16, 17
												15
116 922 19 348	104 217 19 807	62 140 41 581	2 028 316	3 645 871	34 121 6 983	9 930 911	428 545 52 080	154 506 15 676	5 7	5 5	12 17	152 1521 1522
71 314	50 543	90 759	897	3 702	45 548	3 541	269 895	68 421	5	6	10	1531
258 877 288 269	172 494 220 146	434 843 778 009	3 741 4 498	8 035 10 346	113 238 113 934	5 399 7 274	417 977 709 434	122 480 205 308	2 1	2 1	2 2	154 1541 1542
												16
144 531	128 344	64 732	4 644	13 822	177 510	5 456	341 650	180 272	3	3	2	1611
17 626 152 514 140 471	24 715 (D) 97 150	10 238 30 894 83 574	1 049 11 092 4 711	743 7 175 10 515	14 017 74 763 62 151	1 017 2 670 4 047	55 723 119 040 241 200	24 155 66 974 119 892	2 3 2	1 2 2	(W) 4 3	162 1622 1623 1629
												17
378 759	243 990	86 468	6 570	6 561	101 535	10 776	529 245	275 509	2	1	3	1711
91 909	24 598	4 734	1 381	2 470	20 776	3 081	75 630	58 248	5	4	5	1721
353 381	273 638	12 531	6 101	6 357	56 768	7 498	288 680	185 991	1	1	3	1731
84 799 144 082 7 570	34 989 84 891 5 886	2 504 21 377 153	1 007 3 267 120	1 909 4 085 83	25 286 27 148 907	3 905 3 860 292	101 303 121 943 11 647	65 880 75 861 7 295	7 3 16	4 2 13	13 5 5	174 1741 1742 1743
64 688 21 097	40 833 20 178	12 730 726	649 299	2 135 79	16 937 2 835	2 592 962	73 358 38 840	45 667 19 814	5 11	5 7	6 5	175 1751 1752
116 722	88 001	15 020	2 316	3 716	36 182	4 218	160 470	85 149	5	4	6	1761
98 401	69 151	9 309	2 305	4 977	39 188	2 887	100 940	57 802	5	4	4	1771
12 574	10 188	989	97	1 019	8 987	558	28 809	16 376	13	12	7	1781
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	-	179
22 792 118 918 3 223 46 628 48 713	20 028 36 010 894 18 714 (D)	831 17 755 (D) 3 409 (D)	432 4 947 465 506 805	378 7 105 60 499 2 782	2 782 141 681 1 415 5 521 19 977	885 3 126 122 700 2 575	25 426 114 718 3 165 40 702 98 670	15 549 80 712 2 759 29 275 56 152	- 5 5 4 6	- 5 5 3 - -	- 6 - 3 8	1791 1793 1794 (W) 1795 1796 1799
(S)	(S)	(S)	(S)	(S)	(S)	776	38 620	17 980	-	-	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year -----	9 115	10 545	9 498	7 884	2	2	3	3
Number of establishments in business at end of year -----	8 912	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners -----	3 050	6 219	5 729	5 766	3	4	4	5
All employees** -----	84 620	89 395	81 432	75 387	1	1	2	1
Construction workers:								
March-----	61 765	66 041	59 637	56 207	1	1	2	1
May-----	70 297	77 190	69 031	65 146	1	2	2	1
August-----	72 314	81 750	72 974	70 992	1	1	2	1
November-----	66 531	75 878	65 730	64 482	1	1	2	1
Average-----	68 595	75 275	67 750	64 889	1	1	2	1
Other employees:								
March-----	15 972	13 481	13 091	10 012	1	1	4	2
Construction worker hours (thousands):								
January to March-----	22 446	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June-----	26 808	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September-----	28 381	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December-----	25 327	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked-----	102 964	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees -----	1 608 657	1 174 773	816 272	543 678	1	1	1	1
Payroll, construction workers-----	1 236 615	936 178	657 166	445 990	1	1	1	1
Payroll, other employees-----	372 041	238 595	159 106	97 715	1	1	2	2
First quarter payroll, all employees -----	347 687	235 826	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits-----	274 897	217 641	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures-----	209 742	112 940	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures-----	65 154	104 701	(NA)	(NA)	1	(W)	(NA)	(NA)
All business receipts-----	6 637 786	4 657 718	3 043 300	2 079 695	1	1	2	1
Total construction receipts-----	6 450 207	4 500 045	2 903 982	2 012 967	1	1	2	1
Receipts for work subcontracted in from others-----	1 517 490	1 120 704	687 792	477 965	1	1	2	2
Land receipts ¹ -----	35 764	(NA)	(NA)	(NA)	8	(NA)	(NA)	6
Other business receipts-----	151 815	157 673	139 318	66 818	2	3	(NA)	(NA)
Net construction receipts†-----	4 645 229	3 425 673	2 186 493	1 483 849	1	1	2	1
Value added††-----	2 878 793	2 062 343	1 363 013	912 845	1	1	2	1
Selected payments-----	3 723 228	2 540 577	1 613 731	1 146 823	1	1	2	2
Materials, components, and supplies ² -----	1 812 668	1 382 127	896 242	617 696	1	1	2	1
Construction work subcontracted to others-----	1 804 977	1 074 372	717 489	529 144	1	1	2	3
Selected power, fuels, and lubricants-----	105 582	84 077	(NA)	(NA)	1	1	(NA)	(NA)
Electricity-----	14 645	9 269	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas-----	6 388	15 120	(NA)	(NA)	3	1	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)-----	76 869	49 461	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases-----	7 679	10 228	(NA)	(NA)	3	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³ -----	1 732	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures-----	65 942	46 314	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment-----	48 597	38 076	27 350	17 394	2	1	4	2
For structures-----	17 344	8 238	(NA)	(NA)	3	2	(NA)	(NA)
Selected purchased services-----	90 661	77 245	(NA)	(NA)	2	2	(NA)	(NA)
Communication services-----	24 051	17 920	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities-----	5 901	3 400	(NA)	(NA)	2	5	(NA)	(NA)
Repairs to machinery and equipment-----	60 708	55 925	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts-----	6 450 207	4 500 045	2 903 982	2 012 967	1	1	2	1
Government owned-----	1 242 260	882 779	721 935	572 231	2	1	2	1
Privately owned-----	5 207 946	3 617 267	2 182 047	1 440 736	1	1	2	1

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll:
1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	1 128 035	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	105 534	132 155	76 419	49 143	2	5	4	5
New	75 954	102 746	58 778	37 818	2	6	4	6
Used	29 579	29 409	17 641	11 325	3	4	9	9
Retirements and disposition of depreciable assets	52 748	(NA)	(NA)	(NA)	19	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	1 180 821	773 590	465 140	(NA)	1	1	6	(NA)
Depreciation charges during year	146 328	74 742	49 655	(NA)	2	1	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	195 234	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land	17 856	29 224	22 639	10 615	5	20	9	26
New structures and related facilities	15 659	26 148	19 793	7 583	5	22	6	26
Used structures and related facilities	2 197	3 076	2 846	3 032	14	18	13	27
Retirements and disposition of depreciable assets	8 256	(NA)	(NA)	(NA)	17	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	204 835	178 728	118 763	(NA)	3	4	24	(NA)
Depreciation charges during year	18 791	9 602	7 196	(NA)	5	5	21	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	932 801	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	87 677	102 930	53 780	38 528	2	3	7	4
New machinery and equipment, including automobiles and trucks	60 295	76 597	38 985	30 235	2	2	5	3
New automobiles and trucks, intended primarily for highway use	19 222	28 484	(NA)	(NA)	4	2	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	27 381	26 333	14 795	8 293	3	4	10	6
Retirements and disposition of depreciable assets	44 492	(NA)	(NA)	(NA)	22	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	975 986	594 862	346 377	(NA)	1	1	2	(NA)
Depreciation charges during year	127 536	65 140	42 459	(NA)	2	1	3	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	9 115	2
Total construction receipts	6 450 207	1
Establishments with inventories:		
Number	2 654	5
Total construction receipts	2 672 184	1
Inventories: End of 1982, total	123 405	7
Value for establishments with LIFO reserve	4 035	2
Amount of LIFO reserve	1 365	7
Value for establishments with no LIFO reserve	119 370	7
End of 1981, total	103 758	5
Value for establishments with LIFO reserve	3 958	2
Amount of LIFO reserve	1 118	7
Value for establishments with no LIFO reserve	99 800	5
Establishments with no inventories:		
Number	6 461	2
Total construction receipts	3 778 023	1

*Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	9 115	5 746	1 672	919	554	138	60	14	7	4
All employees**	84 620	11 744	11 041	12 409	16 934	9 454	8 215	4 590	4 479	5 754
Payroll, all employees	1 608 657	120 223	148 695	214 147	351 834	223 873	201 867	125 321	100 137	122 559
Construction worker hours (thousands)	102 964	13 321	12 049	14 099	20 905	12 108	11 158	7 107	6 114	6 097
All business receipts	6 637 786	561 444	595 335	788 604	2 121 926	(D)	863 361	1 707 115	(D)	(D)
Total construction receipts	6 450 207	547 196	572 633	763 145	1 329 270	744 367	805 803	543 150	296 034	848 609
Net construction receipts†	4 645 229	460 004	467 323	614 920	986 563	576 297	566 809	397 852	277 948	297 513
Value added††	2 878 793	265 099	276 381	375 329	604 572	362 611	402 453	236 792	155 586	199 969
Payments for materials, components, supplies, and fuels	1 918 251	203 078	204 295	259 432	406 365	227 207	217 584	400 288	(D)	(D)
Payments for construction work subcontracted to others	1 804 977	87 191	105 310	148 225	342 707	168 070	238 994	145 298	18 086	551 096
Rental payments for machinery, equipment, and structures	65 942	5 376	6 200	8 911	12 785	9 221	10 492	8 188	3 960	807
Capital expenditures, other than land	105 534	10 370	9 941	14 186	18 151	11 618	16 740	14 209	1 995	8 322
End-of-year gross book value of depreciable assets	1 180 821	168 263	134 925	150 728	236 840	107 456	189 665	64 110	19 364	109 469
1977										
All employees**	89 395	13 431	13 388	14 736	18 823	10 652	5 960	9 016	3 389	(D)
Total construction receipts	4 500 045	538 861	522 425	655 923	1 015 167	566 694	327 876	671 365	201 734	(D)
Value added††	2 062 343	233 278	249 777	288 972	479 701	247 621	149 936	306 012	106 847	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	4	4	2	(W)	(W)	(W)	(W)	(W)
Net construction receipts†	1	3	4	3	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	2	8	10	7	2	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	9 115	1 297	965	1 682	2 282	1 101	797	572	217	127	74
All employees**	84 620	1 552	1 715	3 994	9 009	7 929	9 738	12 831	8 917	8 895	20 039
Payroll, all employees	1 608 657	4 704	9 498	34 718	101 584	113 166	161 937	262 667	198 266	220 917	501 198
Construction worker hours (thousands)	102 964	1 160	1 643	4 307	9 880	9 268	11 076	15 581	11 238	12 065	26 741
All business receipts	6 637 786	15 906	36 132	122 863	362 657	381 841	561 362	880 167	731 968	3 544 888	(D)
Total construction receipts	6 450 207	15 631	35 424	121 153	355 099	372 610	537 998	846 145	715 857	855 735	2 594 552
Net construction receipts†	4 645 229	14 144	32 397	111 453	319 838	328 386	452 980	704 971	551 738	629 458	1 499 863
Value added††	2 878 793	8 933	20 568	68 921	187 047	194 136	278 160	451 326	337 940	368 213	963 546
Payments for materials, components, supplies, and fuels	1 918 251	5 411	12 412	43 721	137 296	142 027	191 619	277 333	223 768	282 945	601 716
Payments for construction work subcontracted to others	1 804 977	1 487	3 027	9 700	35 260	44 224	85 018	141 174	164 119	226 277	1 094 689
Rental payments for machinery, equipment, and structures	65 942	220	427	1 417	4 005	3 869	5 899	10 232	7 216	10 548	22 105
Capital expenditures, other than land	105 534	194	496	2 698	8 230	6 757	11 335	14 526	9 827	14 835	36 633
End-of-year gross book value of depreciable assets	1 180 821	6 175	10 987	37 538	109 509	97 452	131 243	180 082	124 171	138 852	344 807
1977											
All employees**	89 395	(S)	3 132	5 101	11 849	11 561	10 981	15 480	9 752	118 951	(NA)
Total construction receipts	4 500 045	(S)	53 522	121 216	397 434	468 444	516 074	786 511	598 489	11 537 111	(NA)
Value added††	2 062 343	(S)	28 705	68 531	201 398	225 937	242 610	387 319	273 082	1623 563	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	6	8	5	5	6	5	2	(W)	(W)	(W)
Net construction receipts†	1	6	6	5	4	4	4	2	(W)	(W)	(W)
Capital expenditures, other than land	2	28	20	12	10	14	8	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts[‡]	6 450 207	5 393 246	1 056 960	1	1	1
Building construction						
Single-family houses	4 799 269	4 061 816	737 453	1	1	1
Single-family houses, detached	816 340	593 092	223 248	2	3	3
Single-family houses, attached	713 131	508 199	204 932	3	3	4
Apartment buildings with two or more apartments	103 209	84 892	18 316	8	8	9
Other residential buildings	215 777	177 270	38 506	3	3	4
	87 513	71 808	15 705	2	2	6
Office and bank buildings	982 564	881 188	101 375	1	1	3
Office buildings	835 216	750 283	84 933	1	1	3
Bank buildings and other financial institutions	147 347	130 905	16 442	2	2	4
Farm buildings	39 890	33 079	6 811	8	10	10
Industrial buildings and warehouses	1 411 775	1 232 762	179 013	1	1	2
Industrial buildings	1 167 299	1 014 834	152 465	1	1	2
Warehouses	244 476	217 928	26 547	2	3	4
Stores, restaurants, public garages, and automobile service stations	341 741	268 701	73 040	2	2	4
Religious buildings	66 546	52 519	14 026	3	4	5
Educational buildings	156 023	125 113	30 909	3	3	5
Hospitals and institutional buildings	606 819	565 228	41 590	1	1	2
Amusement, social, and recreational buildings	28 354	21 855	6 499	5	6	3
Other nonresidential buildings	45 927	39 201	6 731	6	5	26
Nonbuilding construction						
Highways, streets, and related facilities	1 284 175	1 033 931	250 244	1	1	3
Bridges, tunnels, and elevated highways	384 697	273 534	111 163	3	2	6
Bridges and elevated highways	86 920	74 623	12 296	1	1	1
Tunnels	78 959	67 021	11 937	1	1	1
Marine construction	33 564	(D)	(D)	2	—	—
Conservation and development construction	13 755	9 596	4 159	16	21	6
Power and communication transmission lines, towers, and related facilities	71 471	56 052	15 419	6	6	5
Sewers, water mains, and related facilities	156 820	137 772	19 048	3	3	7
Sewers, sewer lines, and related facilities	91 915	84 100	7 814	5	4	6
Water mains and related facilities	64 905	53 671	11 234	5	6	13
Pipeline, other than sewer or water lines	44 070	42 767	1 303	1	1	1
Sewage treatment and water treatment plants	145 532	142 112	3 419	2	2	7
Sewage treatment plants	80 322	77 784	2 538	4	4	7
Water treatment plants	65 210	64 328	881	1	1	20
Mass transit construction	28 899	(D)	(D)	5	—	—
Heavy industrial facilities	234 062	178 260	55 801	(W)	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes	159 790	129 698	30 091	(W)	(W)	1
Power plants	74 271	48 561	25 709	1	1	2
Power plants, nuclear	11 915	(D)	(D)	(W)	—	—
Power plants, except nuclear	62 356	(D)	(D)	1	—	—
Other nonbuilding construction	84 385	66 493	17 896	8	8	10
Construction work, n.s.k.	366 761	297 498	69 262	3	3	4
1977						
Total construction receipts[‡]	4 500 045	3 719 533	780 512	1	1	1
Building construction						
Single-family houses	3 268 715	2 670 451	598 264	1	1	2
Apartment buildings with two or more apartments	1 073 007	866 380	206 627	2	3	4
Other residential buildings	179 416	138 090	41 326	5	6	7
Office and bank buildings	71 306	56 511	14 795	2	3	4
Farm buildings	293 036	237 939	55 097	1	1	3
Industrial buildings and warehouses	45 310	40 389	4 921	5	6	12
	705 762	567 665	138 097	1	1	1
Stores, restaurants, public garages, and automobile service stations	192 216	147 726	44 490	3	3	4
Religious buildings	62 711	44 799	17 912	3	3	4
Educational buildings	159 257	130 776	28 481	1	2	3
Hospitals and institutional buildings	429 010	396 717	32 293	1	1	3
Amusement, social, and recreational buildings	37 602	29 206	8 396	7	8	1
Other nonresidential buildings	20 081	14 253	5 828	6	6	14
Nonbuilding construction						
Highways, streets, and related facilities	1 008 028	853 435	154 593	1	1	2
Bridges, tunnels, and elevated highways	323 365	264 300	59 065	1	1	3
Dam and reservoir construction	58 318	51 553	6 765	1	1	6
Conservation and development construction	38 292	37 524	(S)	3	2	—
Power and communication transmission lines, towers, and related facilities	39 453	34 765	4 688	5	5	7
	63 826	58 532	5 294	3	3	11
Sewers, water mains, and related facilities	114 913	104 770	10 143	5	5	9
Pipeline, other than sewer or water lines	41 843	33 331	8 512	(W)	1	(W)
Sewage treatment and water treatment plants	84 193	80 564	3 629	1	1	2
Heavy industrial facilities	103 843	91 270	12 573	(W)	(W)	2
Power plants	40 382	25 988	14 394	(W)	(W)	1
Other nonbuilding construction	99 600	70 838	28 762	4	4	7
Construction work, n.s.k.	223 357	195 414	27 943	5	6	5

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
15,16, 17	Construction industries and subdividers and developers-----	9 115	68 595	102 964	61 765	22 446	70 297	26 808
15	Construction industries:							
152	General building contractors and operative builders:							
1521	General contractors, residential buildings:							
1522	Single-family houses -----	1 362	4 064	5 959	3 538	1 285	4 158	1 573
	Other residential buildings -----	140	783	1 044	704	218	773	260
1531	Operative builders -----	232	1 186	1 544	1 012	304	1 192	411
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	169	5 044	8 581	5 102	2 013	5 827	2 555
1542	Nonresidential buildings, n.e.c. -----	491	6 912	9 639	6 411	2 188	6 914	2 383
16	Heavy construction general contractors:							
1611	Highway and street construction -----	226	2 987	4 947	1 790	628	3 216	1 298
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	18	545	889	462	176	616	246
1623	Water, sewer, and utility lines -----	189	2 995	5 120	2 591	979	3 160	1 377
1629	Heavy construction, n.e.c. -----	148	2 477	3 450	2 733	864	2 663	922
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	1 245	8 003	12 786	7 613	3 001	7 878	3 192
1721	Painting, paper hanging, and decorating -----	502	2 907	4 131	2 312	813	2 901	1 060
1731	Electrical work -----	588	7 351	12 908	7 225	3 176	7 436	3 334
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	481	2 984	3 670	2 495	776	3 100	1 004
1742	Plastering, drywall, and insulation work -----	328	3 675	5 418	3 302	1 206	3 692	1 353
1743	Terrazzo, tile, marble, and mosaic work -----	45	240	321	235	74	249	84
175	Carpentering and flooring:							
1751	Carpentering -----	569	2 427	3 292	2 194	698	2 283	835
1752	Floor laying and other floorwork -----	126	624	836	610	190	609	207
1761	Roofing and sheet metal work -----	445	3 353	4 451	3 005	946	3 307	1 100
1771	Concrete work -----	502	3 087	3 920	2 325	728	3 254	1 016
1781	Water well drilling -----	83	246	422	225	100	254	107
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	73	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work -----	47	493	802	388	160	404	171
1794	Excavating and foundation work -----	550	2 642	3 650	2 079	680	2 717	924
1795	Wrecking and demolition work -----	13	65	122	35	20	50	27
1796	Installing building equipment, n.e.c. -----	71	807	1 244	864	336	838	317
1799	Special trade contractors, n.e.c. -----	364	1 602	2 143	1 431	457	1 695	609
6552	Subdividers and developers, n.e.c. -----	102	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—											SIC code	
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K			
H	I	J	K													
72 314	28 381	66 531	25 327	1	1	1	1	1	1	1	1	1	1	1	15,16, 17	
															15	
4 180 812	1 603 296	3 890 818	1 496 269	5 6	6 7	5 9	7 10	5 6	7 9	5 7	7 9	5 9	7 11	152 1521 1522		
1 250	424	1 188	404	7	8	8	10	7	9	8	9	8	9	9	1531	
5 043 7 399	2 291 2 642	4 115 6 746	1 721 2 425	3 1	2 2	2 1	2 2	3 2	3 2	5 2	4 2	3 1	3 2	3 1	154 1541 1542	
															16	
3 666	1 722	3 204	1 297	3	3	3	5	3	4	4	4	4	4	4	1611	
															162	
596 3 566 2 535	264 1 653 916	498 2 607 1 932	202 1 110 747	2 3 2	1 3 3	1 3 2	1 4 3	2 3 2	1 3 4	3 3 2	1 3 3	(W) 4	1 1622 5 1623 4 1629			
															17	
7 946	3 314	8 163	3 277	2	2	2	3	2	3	2	3	2	3	2	1711	
3 267	1 204	2 907	1 052	5	5	5	7	5	6	5	6	5	5	6	1721	
7 532	3 259	7 073	3 137	1	1	1	1	1	1	1	1	1	2	2	1731	
															174	
3 035 3 762 211	1 029 1 441 78	3 062 3 832 258	860 1 417 83	7 3 16	5 3 15	8 3 15	6 3 20	7 3 16	5 4 18	7 4 15	7 3 19	9 4 22	7 4 24	1741 1742 1743		
2 367 686	853 231	2 527 577	904 206	5 11	6 9	6 14	8 13	5 11	8 12	5 13	7 12	6 10	7 12	6 10	175 1751 1752	
3 661	1 274	3 227	1 129	5	5	5	6	5	5	5	5	6	5	6	1761	
3 391	1 142	3 042	1 032	5	5	6	8	6	7	6	6	6	6	7	1771	
248	105	247	109	13	14	14	20	14	20	13	19	12	18	1781		
(S) 511 2 985	(S) 204 1 094	(S) 652 2 647	(S) 265 950	- 15 5	- 17 6	- 12 6	- 15 8	- 12 5	- 14 7	- 9 5	- 12 7	- 25 6	- 29 7	- 1793 1794 1795 1796 1799	179	
98	40	80	34	6	7	(W) 3	4	4	4	4	4	10	11	16	1795	
742	288	744	301	4	3	3	4	4	4	5	4	4	4	3	1796	
1 672	568	1 499	507	7	7	7	10	7	9	8	9	8	8	11	1799	
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	-	6552	

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	9.3	19.0	1.5	94.0	.249	.297	.280	.016	.010
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	3.6	11.0	1.5	68.2	.192	.376	.224	.013	.007
1522	Other residential buildings	6.6	15.6	1.3	102.3	.179	.247	.519	.011	.004
1531	Operative builders	8.2	18.0	1.3	174.9	.166	.244	.437	.018	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	37.2	23.5	1.7	170.8	.172	.200	.505	.009	.004
1542	Nonresidential buildings, n.e.c.	19.0	19.7	1.4	185.0	.144	.172	.608	.008	.004
16	Heavy construction general contractors:									
1611	Highway and street construction	15.9	20.5	1.7	109.4	.225	.393	.198	.042	.014
1622	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction	34.6	21.8	1.6	95.2	.262	.476	.197	.014	.020
1623	Water, sewer, and utility lines	18.4	20.5	1.7	76.7	.311	(D)	.134	.031	.048
1629	Heavy construction, n.e.c.	19.7	19.7	1.4	127.8	.182	.307	.264	.033	.015
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	8.4	20.5	1.6	87.4	.305	.349	.124	.009	.009
1721	Painting, paper hanging, and decorating	6.6	16.9	1.4	41.5	.460	.204	.039	.020	.011
1731	Electrical work	15.3	24.5	1.8	82.6	.362	.451	.021	.010	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	6.9	15.6	1.2	39.0	.444	.300	.021	.016	.009
1742	Plastering, drywall, and insulation work	13.4	20.8	1.5	64.9	.382	.356	.090	.017	.014
1743	Terrazzo, tile, marble, and mosaic work	6.4	17.4	1.3	53.4	.389	.460	.012	.006	.009
175	Carpentering and flooring:									
1751	Carpentering	4.9	14.7	1.4	48.0	.351	.350	.109	.018	.006
1752	Floor laying and other floorwork	6.2	15.5	1.3	63.3	.309	.511	.018	.002	.008
1761	Roofing and sheet metal work	9.4	16.4	1.3	64.9	.313	.405	.069	.017	.011
1771	Concrete work	7.0	15.1	1.3	56.5	.305	.396	.053	.029	.013
1781	Water well drilling	3.8	15.3	1.7	95.2	.206	.435	.042	.043	.004
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work	14.4	21.3	1.6	82.8	.353	.491	.020	.009	.011
1794	Excavating and foundation work	5.6	15.8	1.4	64.1	.287	.213	.105	.042	.029
1795	Wrecking and demolition work	6.3	11.5	1.9	85.1	.171	.162	(D)	.011	.084
1796	Installing building equipment, n.e.c.	13.8	24.4	1.5	84.9	.348	.273	.050	.007	.007
1799	Special trade contractors, n.e.c.	5.6	12.7	1.3	51.7	.312	(D)	(D)	.034	.010
6552	Subdividers and developers, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
			A	B	C	D	E	F	G	H	B	E
	KANSAS CITY, MO.-KANS., SMSA											
	Construction Industries and subdividers and developers	2 575	27 984	562 469	2 324 335	1 745 979	1 126 349	693 129	578 356	33 647	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	309	1 213	16 696	87 243	67 027	41 132	27 372	20 216	1 014	8	8
1522	Other residential buildings -----	35	196	3 570	31 950	6 816	842	6 160	25 134	*155	23	21
1531	Operative builders -----	134	413	6 793	68 309	36 599	18 745	19 390	31 710	809	13	17
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	36	708	16 374	130 554	73 995	35 165	40 513	56 559	514	6	3
1542	Nonresidential buildings, n.e.c. -----	131	2 498	59 383	424 468	163 281	98 205	67 325	261 187	1 833	3	2
16	Heavy construction general contractors:											
1611	Highway and street construction -----	71	1 706	38 274	222 082	194 212	145 140	57 611	27 870	8 360	3	1
162	Heavy construction, except highway: bridge, tunnel, and elevated highway construction-----	15	522	9 667	41 650	36 692	21 490	(D)	4 958	557	4	5
1622	Water, sewer, and utility lines -----	66	1 319	29 157	118 470	100 758	70 759	(D)	17 712	2 406	4	2
1629	Heavy construction, n.e.c. -----	38	1 868	45 774	177 417	131 648	85 276	50 923	45 769	3 816	2	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	361	3 892	87 071	312 349	265 797	169 945	103 469	46 552	2 042	4	2
1721	Painting, paper hanging, and decorating -----	145	800	12 640	29 743	28 144	21 724	6 458	1 599	567	13	11
1731	Electrical work -----	159	1 959	49 636	130 976	121 900	78 874	46 079	9 076	1 806	5	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	128	1 145	18 170	37 317	36 477	29 533	(D)	841	354	8	7
1742	Plastering, drywall, and insulation work -----	144	2 250	49 013	129 427	124 397	79 818	49 360	5 030	1 389	4	3
1743	Terrazzo, tile, marble, and mosaic work -----	11	80	1 475	3 555	3 549	2 070	(D)	*6	(D)	8	8
175	Carpentering and flooring:											
1751	Carpentering -----	125	637	7 161	21 668	19 841	12 278	7 641	1 828	*171	13	10
1752	Floor laying and other floorwork -----	40	288	4 904	15 334	14 733	8 482	6 435	601	(D)	16	15
1761	Roofing and sheet metal work -----	98	1 213	25 228	77 702	74 902	46 972	30 253	2 800	1 560	7	7
1771	Concrete work -----	156	2 248	28 124	92 034	86 857	51 532	36 283	5 178	1 695	4	5
1781	Water well drilling -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	31	412	7 761	20 684	19 736	13 743	(D)	948	181	13	9
1793	Glass and glazing work -----	16	180	4 427	13 478	13 278	8 058	6 033	200	98	8	7
1794	Excavating and foundation work -----	138	979	15 200	56 201	48 722	35 264	13 989	7 479	2 131	9	6
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	26	451	12 449	33 983	33 214	22 547	10 674	769	58	2	2
1799	Special trade contractors, n.e.c. -----	127	808	10 653	37 124	34 200	22 735	13 663	2 924	1 120	10	9
6552	Subdividers and developers, n.e.c. -----	31	131	1 687	4 289	3 167	2 458	1 060	1 122	90	24	22
	ST. LOUIS, MO.-ILL., SMSA											
	Construction Industries and subdividers and developers	4 405	54 792	1 113 819	4 395 277	3 059 967	1 918 275	1 225 599	1 335 310	77 151	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	658	3 046	38 120	173 323	124 632	76 993	50 608	48 691	2 254	5	6
1522	Other residential buildings -----	67	455	8 255	66 521	29 967	12 602	17 567	36 554	689	7	3
1531	Operative builders -----	125	1 445	29 927	171 092	95 606	62 065	37 271	75 486	2 585	7	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	68	4 779	121 140	680 765	310 851	210 021	104 175	369 914	7 155	1	1
1542	Nonresidential buildings, n.e.c. -----	230	6 211	121 648	876 377	314 867	189 149	130 045	561 510	7 279	2	1

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
			A								B	E
	ST. LOUIS, MO.-ILL., SMSA—Con.											
15,16, 17 16	Construction industries—Con.											
	Heavy construction general contractors:											
1611	Highway and street construction -----	112	2 252	50 513	214 975	171 028	93 653	81 276	43 947	8 772	4	3
162	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction-----	9	253	5 843	20 627	13 898	2 829	11 152	6 729	127	(W) 3	(W) 3
1622												
1623	Water, sewer, and utility lines -----	53	1 435	30 144	86 885	79 234	50 689	28 728	7 651	1 728		
1629	Heavy construction, n.e.c. -----	48	2 312	41 844	228 318	178 276	105 654	(D)	50 042	(D)		
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	603	6 504	147 337	430 420	379 221	235 966	147 217	51 199	5 484	3	2
1721	Painting, paper hanging, and decorating -----	333	2 436	41 380	87 869	84 845	67 263	17 866	3 024	1 917	6	4
1731	Electrical work -----	298	6 553	171 847	480 044	472 014	278 068	222 690	8 030	5 503	2	1
174	Masonry, plastering, and tile setting: Masonry, stone setting, and other stonework -----	221	1 832	30 810	72 785	70 902	50 616	22 357	1 883	1 418	11	4
1741												
1742	Plastering, drywall, and insulation work -----	134	2 719	63 026	173 052	155 877	106 294	57 382	17 175	3 186	3	2
1743	Terrazzo, tile, marble, and mosaic work -----	25	188	3 354	8 570	8 450	5 053	3 701	120	42	24	17
175	Carpentering and flooring:											
1751	Carpentering -----	290	1 842	30 485	76 692	67 239	45 395	23 202	9 453	1 573	8	5
1752	Floor laying and other floorwork -----	71	571	9 013	28 339	28 129	15 568	14 855	210	113	14	6
1761	Roofing and sheet metal work -----	242	2 519	42 763	128 530	117 259	69 970	48 564	11 271	1 946	7	5
1771	Concrete work -----	238	2 195	36 002	113 826	105 526	64 587	42 268	8 301	3 456	8	5
1781	Water well drilling -----	20	96	2 059	8 520	7 879	4 840	3 074	641	(D)	21	22
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	43	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—
1793	Glass and glazing work -----	26	474	9 436	25 245	(D)	13 019	12 718	(D)	261	18	
1794	Excavating and foundation work -----	225	1 557	24 015	78 720	74 152	57 150	17 397	4 568	3 075	11	9
1795	Wrecking and demolition work -----	7	81	1 011	5 493	(D)	3 186	907	(D)	(D)		
1796	Installing building equipment, n.e.c. -----	36	611	14 361	41 105	38 468	26 907	11 789	2 637	380	7	5
1799	Special trade contractors, n.e.c. -----	174	1 136	15 386	46 269	40 933	25 313	18 273	5 336	1 074	8	8
6552	Subdividers and developers, n.e.c. -----	53	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	—	—

Nebraska

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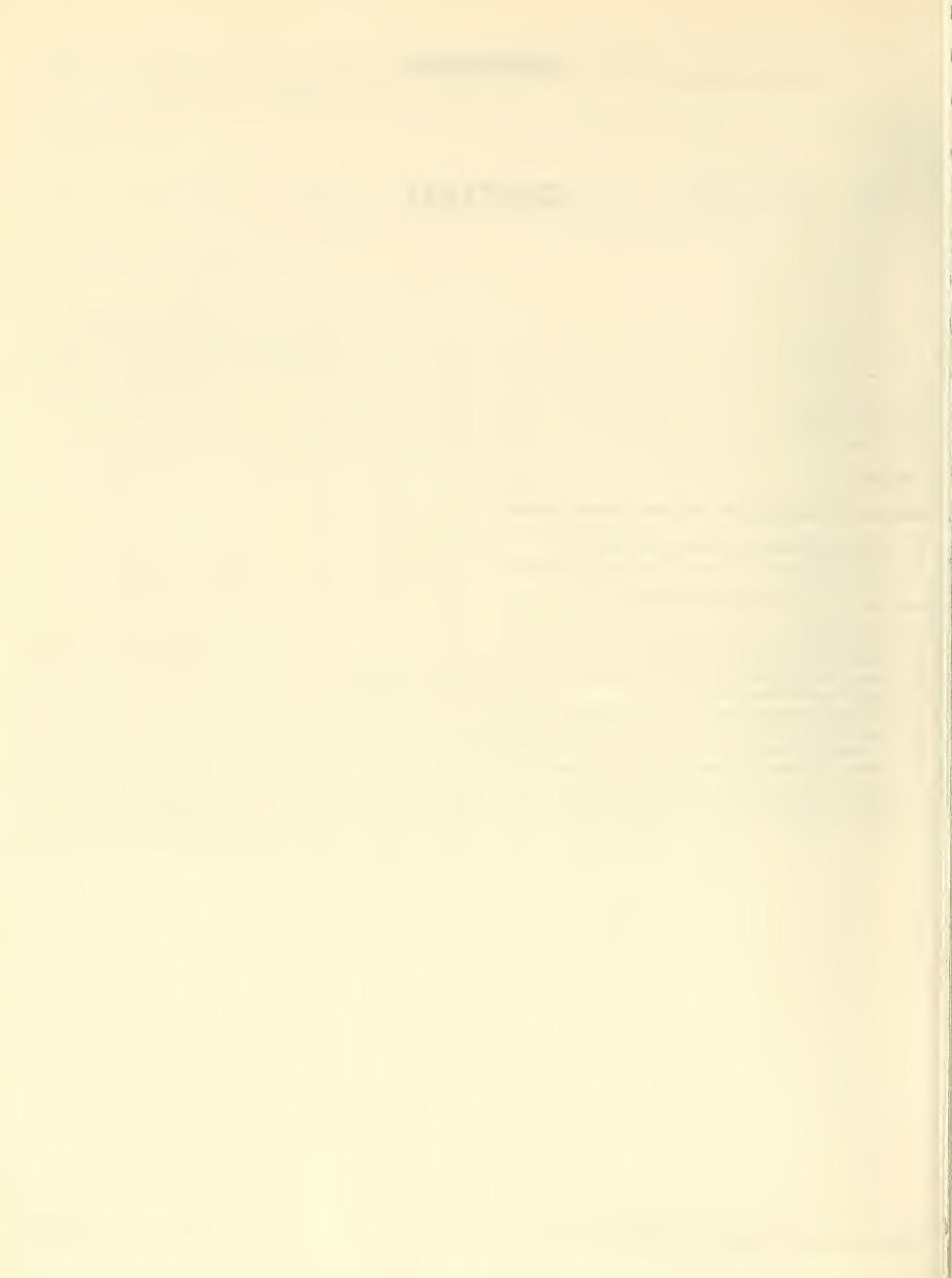
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SUMMARY OF FINDINGS

During 1982, 14,179 establishments in Nebraska operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.1 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 10,010 establishments in this State with no payroll accounted for about 18 percent of all business receipts for all construction establishments in Nebraska. On the other hand, 4,169 establishments classified as "employers" accounted for 82 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.73 billion, of which \$1.69 billion were receipts for construction work. These establishments paid \$286 million for construction work subcontracted to others, leaving net construction receipts of about \$1.4 billion. Value added for these establishments amounted to \$801 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Nebraska paid \$598 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$43.4 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Nebraska was 27.2 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 7.3 million hours, while hours worked during the third quarter were 10.7 million hours.

Total payroll for 1982 was \$460 million. Payments of \$84.0 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Nebraska are based on a sample of about 1,550 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll				Establishments with payroll				Relative standard error of estimate (percent) for column—		
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	K	J	K	
		A	B	C	D	E	F	G	H	I	J	K	J	K		
1982																
	Construction industries and subdividers and developers-----	14 179	11 822	27 200	2 110 828	10 010	9 968	375 937	4 169	1 854	27 200	1 734 891	2	2		
15,16, 17	Construction industries ¹ -----	14 024	11 704	27 185	2 083 574	9 869	9 851	349 501	4 155	1 853	27 185	1 734 073	2	2		
15	General building contractors and operative builders-----	3 074	2 362	7 230	686 570	1 966	1 910	97 579	1 108	452	7 230	588 991	5	4		
16	Heavy construction, general contractors-----	617	453	3 172	325 710	339	346	82 707	278	107	3 172	243 003	4	3		
17	Special trade contractors-----	10 333	8 889	16 783	1 071 294	7 564	7 595	169 215	2 769	1 294	16 783	902 079	2	2		
1711	Plumbing, heating, and air conditioning-----	1 167	807	3 264	222 715	617	615	22 287	550	192	3 264	200 428	5	4		
1731	Electrical work-----	1 110	870	3 912	240 086	709	706	25 321	401	164	3 912	214 765	3	3		
6552	Subdividers and developers, n.e.c. ² -----	149	117	10	27 249	141	117	26 436	*8	-	10	813	35	33		
1977																
	Construction industries and subdividers and developers-----	13 132	11 654	35 975	2 109 436	8 186	8 371	177 177	4 946	3 283	35 975	1 932 259	1	1		
15,16, 17	Construction industries ¹ -----	13 031	11 553	35 899	2 092 248	8 096	8 273	165 793	4 935	3 280	35 899	1 926 455	1	1		
15	General building contractors and operative builders-----	2 939	2 429	10 450	775 627	1 303	1 336	71 678	1 636	1 093	10 450	703 949	3	3		
16	Heavy construction, general contractors-----	704	544	6 845	406 066	311	312	8 538	393	232	6 845	397 528	2	1		
17	Special trade contractors-----	9 388	8 581	18 604	910 555	6 482	6 625	85 577	2 906	1 956	18 604	824 978	2	2		
1711	Plumbing, heating, and air conditioning-----	1 008	736	3 910	206 217	430	437	9 568	578	299	3 910	196 649	5	3		
1731	Electrical work-----	877	739	4 208	254 966	513	522	9 397	364	217	4 208	245 569	3	2		
6552	Subdividers and developers, n.e.c. ² -----	104	101	78	17 193	90	98	11 384	14	3	78	5 809	35	39		

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Proprietors and working partners Number	All employees** Number	All business receipts Number	Proprietors and working partners Number	All business receipts Number	Proprietors and working partners Number	All employees** Number	Proprietors and working partners Number	All employees** Number	All business receipts Number	K		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	14 179	11 822	27 200	2 110 828	10 010	9 968	375 937	4 169	1 854	27 200	1 734 891	2	2
\$10,000,000 or more -----	17	10	3 057	(D)	5	10	71 205	12	—	3 057	(D)	(W)	—
\$5,000,000 to \$9,999,999 -----	39	—	2 592	(D)	1	—	(D)	38	—	2 592	(D)	(W)	—
\$2,500,000 to \$4,999,999 -----	61	6	2 584	(D)	1	—	(D)	60	6	2 584	752 766	(W)	(W)
\$1,000,000 to \$2,499,999 -----	201	9	3 780	1 146 650	11	5	27 826	190	4	3 780	294 853	4	6
\$500,000 to \$999,999 -----	383	59	4 050	263 782	38	32	27 004	345	27	4 050	236 778	7	7
\$250,000 to \$499,999 -----	633	205	3 640	221 021	78	74	25 842	555	131	3 640	195 179	7	7
\$100,000 to \$249,999 -----	1 508	942	4 274	237 769	434	422	64 676	1 074	520	4 274	173 093	7	6
\$50,000 to \$99,999 -----	1 687	1 378	1 744	118 957	872	887	60 300	815	491	1 744	58 657	8	5
\$25,000 to \$49,999 -----	1 824	1 651	806	64 288	1 350	1 359	47 180	474	292	806	17 108	10	8
Less than \$25,000 -----	7 824	7 561	672	58 361	7 220	7 179	51 904	604	382	672	6 457	8	8
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	2 211	2 190	34 146	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 648	1 638	11 048	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 789	1 781	5 138	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	1 572	1 570	1 572	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	13 132	11 654	35 975	2 109 436	8 186	8 371	177 177	4 946	3 283	35 975	1 932 259	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	44	5	8 035	631 027	—	—	—	44	5	8 035	631 027	(W)	(W)
\$2,500,000 to \$4,999,999 -----	69	4	3 490	(D)	1	—	(D)	68	4	3 490	227 995	2	2
\$1,000,000 to \$2,499,999 -----	240	62	5 643	596 799	12	10	21 197	228	52	5 643	347 607	3	5
\$500,000 to \$999,999 -----	340	70	3 916	235 574	25	22	16 785	315	48	3 916	218 789	4	4
\$250,000 to \$499,999 -----	602	292	4 224	214 346	46	37	16 507	556	255	4 224	197 839	5	6
\$100,000 to \$249,999 -----	1 406	1 026	5 488	222 295	159	174	23 896	1 247	852	5 488	198 399	5	6
\$50,000 to \$99,999 -----	1 432	1 300	2 943	101 552	369	409	25 325	1 063	891	2 943	76 227	9	8
\$25,000 to \$49,999 -----	1 541	1 465	1 299	53 943	835	892	28 539	706	573	1 299	25 404	14	11
Less than \$25,000 -----	7 458	7 432	(S)	53 903	6 739	6 827	44 928	(S)	(S)	(S)	8 975	—	12
\$10,000 to \$24,999 -----	2 271	2 283	594	(D)	1 815	1 875	28 042	456	408	594	(D)	14	—
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 548	1 571	10 407	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 915	1 926	5 413	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 461	1 455	1 066	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982								
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†	
			All	Construction workers	All employees	Construction workers				
A	B	C	D	E	F	G	H	I	J	
15,16, 17	Construction industries and subdividers and developers:	4 169	27 200	22 216	459 659	366 318	37 204	1 689 207	1 403 600	
15	Construction industries:									
152	General building contractors and operative builders:									
1521	General contractors, residential buildings:									
1522	Single-family houses	627	2 195	1 792	25 641	19 324	2 828	130 450	104 560	
	Other residential buildings	49	(D)	172	2 803	2 133	287	18 179	10 503	
1531	Operative builders	116	489	287	7 818	3 610	467	161 254	34 011	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	56	795	533	10 812	8 209	957	48 567	36 241	
1542	Nonresidential buildings, n.e.c.	260	3 524	2 744	55 084	39 513	4 237	316 224	193 982	
16	Heavy construction general contractors:									
1611	Highway and street construction	89	1 580	1 345	26 689	21 452	2 439	108 698	96 578	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	9	263	232	5 251	4 004	517	17 377	15 671	
1623	Water, sewer, and utility lines	112	989	869	19 161	16 214	1 629	80 558	74 245	
1629	Heavy construction, n.e.c.	68	340	284	6 372	5 157	546	29 404	23 295	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	550	3 264	2 431	56 174	40 743	4 164	191 334	173 503	
1721	Painting, paper hanging, and decorating	182	699	618	7 383	6 589	818	19 025	18 648	
1731	Electrical work	401	3 912	3 293	105 739	93 417	6 769	212 797	205 437	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	187	763	680	7 651	6 666	728	21 365	20 632	
1742	Plastering, drywall, and insulation work	121	1 274	1 075	21 552	17 295	1 747	68 957	63 442	
1743	Terrazzo, tile, marble, and mosaic work	17	104	88	1 399	1 153	114	3 072	3 072	
175	Carpentering and flooring:									
1751	Carpentering	334	948	885	9 817	8 800	1 190	38 050	32 536	
1752	Floor laying and other floorwork	37	130	89	2 036	1 434	163	7 336	6 952	
1761	Roofing and sheet metal work	163	1 524	1 227	28 974	22 384	1 893	105 349	92 287	
1771	Concrete work	206	1 127	993	13 647	11 850	1 416	44 853	40 475	
1781	Water well drilling	96	521	422	7 503	5 893	740	33 765	33 095	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	36	177	157	2 428	2 167	228	7 801	7 743	
1793	Glass and glazing work	16	118	72	2 447	1 392	125	9 460	9 402	
1794	Excavating and foundation work	252	1 408	1 254	20 321	16 762	2 089	73 737	68 302	
1795	Wrecking and demolition work	7	16	16	*335	*335	*47	*1 092	*1 034	
1796	Installing building equipment, n.e.c.	36	283	231	6 679	5 359	402	18 497	17 291	
1799	Special trade contractors, n.e.c.	128	(D)	418	5 831	4 421	650	21 546	20 330	
6552	Subdividers and developers, n.e.c.	*8	10	*5	107	35	*4	1455	327	

¹Land receipts for SIC 1531 were \$6,138; for SIC 6552 were \$339.

1982—Con.

1977

Relative standard
error of estimate
(percent) for
column—

SIC code

Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	Relative standard error of estimate (percent) for column—			SIC code
	I	J	K	L	M	N	O	P	Q	B	H	M
801 343	641 464	285 607	23 108	40 445	497 091	35 975	1 872 480	906 507	2	2	5	15,16, 17
54 656 4 839	53 263 5 769	25 890 7 676	1 016 94	2 831 133	24 038 1 450	4 058 204	189 146 19 787	69 810 3 564	7 —	8 27	12 31	152 1521 1522
13 095	21 328	27 243	356	1 058	17 283	1 203	128 495	31 711	13	16	11	1531
16 912 92 858	20 526 104 226	12 326 122 241	288 2 761	537 5 179	9 049 45 675	1 460 3 525	95 003 244 936	27 295 81 099	21 6	14 5	14 20	154 1541 1542
51 265	51 055	12 120	3 335	4 251	85 334	3 121	184 562	100 864	5	3	5	1611
7 901 50 239 15 683	(D) 24 638 8 144	1 706 6 313 6 108	118 1 874 1 498	470 4 157 1 452	8 536 45 704 14 370	583 1 776 1 365	44 493 78 504 78 178	24 532 40 918 44 204	(W) 7 16	(W) 5 9	(W) 7 7	1622 1623 1629
96 188	86 408	17 831	2 124	2 322	32 265	3 910	193 934	89 661	5	4	10	1711
13 953	4 734	377	261	255	3 767	836	21 791	16 538	16	14	38	1721
123 228	84 177	7 360	4 217	8 161	68 429	4 208	242 617	166 851	3	3	1	1731
12 949 37 685 2 141	7 873 27 333 1 453	732 5 515 —	177 578 —	173 1 049 (D)	5 563 7 171 286	1 531 1 662 42	36 706 65 622 1 083	27 730 36 132 639	14 7 27	12 5 19	21 11 —	174 1742 1743
19 859 3 507	13 707 4 086	5 514 384	225 86	781 53	6 296 1 721	974 306	21 957 9 514	13 105 5 657	10 26	14 25	20 34	1751 1752
52 511	41 591	13 062	1 100	1 339	11 310	1 290	42 952	24 548	7	5	4	1761
23 405	(D)	4 378	1 030	1 213	12 791	1 035	32 528	18 254	9	8	9	1771
18 676	15 470	670	204	1 189	16 075	1 091	75 295	38 117	11	9	17	1781
4 812 4 853 51 512 *916	*3 072 5 646 19 130 (D)	*58 58 5 435 *58	240 81 940 3	*388 129 2 422 4	2 325 1 103 67 116 208	(D) 142 554 (D)	6 428 3 955 23 133 (D)	(D) 18 118 8 406 (D)	35 19 8 55	38 14 7 58	49 8 6 (W)	1791 1793 1794 1795
13 492 13 963	3 894 8 122	1 206 1 216	127 (D)	47 835	1 682 7 402	383 412	11 581 13 138	8 406 7 917	6 —	4 12	4 13	1796 1799
234	111	128	(D)	(D)	*135	78	3 626	1 012	35	27	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	4 169	4 946	3 862	3 501	2	3	4	4
Number of establishments in business at end of year	4 073	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	1 854	3 283	2 808	2 940	5	5	6	6
All employees**	27 200	35 975	29 438	25 527	2	1	3	2
Construction workers:								
March	17 972	26 626	21 369	18 098	2	2	3	2
May	21 775	32 273	25 615	22 671	2	2	3	2
August	24 676	34 193	28 642	24 569	2	2	3	2
November	22 725	30 428	23 733	22 410	2	2	3	2
Average	22 216	30 905	25 230	22 279	2	2	3	2
Other employees:								
March	4 966	4 945	4 123	3 158	3	2	3	3
Construction worker hours (thousands):								
January to March	7 326	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	9 366	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	10 674	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	9 836	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	37 204	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	459 659	438 003	263 498	165 632	1	1	2	1
Payroll, construction workers	366 318	356 121	215 505	139 268	1	1	2	1
Payroll, other employees	93 340	81 881	47 993	26 396	2	1	3	2
First quarter payroll, all employees	92 311	89 886	(NA)	(NA)	2	1	(NA)	(NA)
Employer costs for fringe benefits	83 976	69 169	(NA)	(NA)	2	1	(NA)	(NA)
Legally required expenditures	63 672	42 548	(NA)	(NA)	2	1	(NA)	(NA)
Voluntary expenditures	20 304	26 621	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts								
Total construction receipts	1 734 891	1 932 259	1 042 772	749 630	2	1	3	2
Receipts for work subcontracted in from others	1 689 207	1 872 480	1 007 922	732 027	2	1	3	2
Land receipts ¹	372 138	391 214	176 688	107 913	3	2	4	4
Other business receipts	6 477	(NA)	(NA)	(NA)	13	(NA)	(NA)	(NA)
39 207	59 779	34 850	17 636	5	4	6	6	6
Net construction receipts†	1 403 600	1 544 097	815 598	594 453	2	1	2	2
Value added††	801 343	906 507	502 042	319 290	2	1	3	2
Selected payments								
Materials, components, and supplies ²	927 071	1 009 050	534 404	427 082	2	2	3	2
Construction work subcontracted to others	598 051	644 548	342 080	289 476	2	2	3	2
Selected power, fuels, and lubricants	285 607	328 383	192 324	137 581	3	3	6	3
Electricity	43 412	36 119	(NA)	(NA)	3	2	(NA)	(NA)
Natural gas	4 202	3 092	(NA)	(NA)	4	4	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	2 841	2 093	(NA)	(NA)	4	5	(NA)	(NA)
Other, including lubricating oils and greases	33 029	26 662	(NA)	(NA)	3	2	(NA)	(NA)
3 339	4 272	(NA)	(NA)	6	5	(NA)	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	813	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	23 108	22 872	(NA)	(NA)	2	2	(NA)	(NA)
For machinery and equipment	17 840	19 393	12 828	10 968	2	2	4	3
For structures	5 267	3 479	(NA)	(NA)	5	3	(NA)	(NA)
Selected purchased services								
Communication services	34 643	39 328	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities	8 003	6 812	(NA)	(NA)	4	3	(NA)	(NA)
Repairs to machinery and equipment	1 713	2 186	(NA)	(NA)	6	10	(NA)	(NA)
24 926	30 329	(NA)	(NA)	3	2	(NA)	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 689 207	1 872 480	1 007 922	732 027	2	1	3	2
Government owned	443 410	426 906	293 337	257 694	5	2	3	3
Privately owned	1 245 797	1 445 574	714 585	474 333	3	2	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll:
1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	475 877	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	40 445	70 867	34 902	26 372	5	4	5	5
New	31 926	54 995	26 757	19 390	5	5	4	5
Used	8 518	15 873	8 145	6 982	7	5	10	10
Retirements and disposition of depreciable assets	19 231	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	497 091	407 471	215 063	(NA)	2	2	4	(NA)
Depreciation charges during year	55 636	42 912	22 007	(NA)	3	2	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	78 899	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Capital expenditures, other than land	3 375	9 555	3 734	1 988	13	18	14	21
New structures and related facilities	2 562	8 276	2 451	1 330	12	11	10	28
Used structures and related facilities	813	1 279	1 283	658	28	25	19	14
Retirements and disposition of depreciable assets	2 062	(NA)	(NA)	(NA)	27	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	80 212	61 000	38 721	(NA)	6	3	6	(NA)
Depreciation charges during year	6 420	3 112	2 215	(NA)	7	4	10	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	396 977	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land	37 069	61 312	31 168	24 384	5	8	8	8
New machinery and equipment, including automobiles and trucks	29 364	46 718	24 306	18 060	6	5	5	5
New automobiles and trucks, intended primarily for highway use	9 354	14 415	(NA)	(NA)	9	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	7 705	14 594	6 862	6 324	7	5	11	11
Retirements and disposition of depreciable assets	17 168	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	416 879	346 470	176 342	(NA)	2	2	4	(NA)
Depreciation charges during year	49 215	39 800	19 792	(NA)	3	3	4	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	4 169	2
Total construction receipts	1 689 207	2
Establishments with inventories:		
Number	1 228	8
Total construction receipts	794 587	3
Inventories ¹ :		
End of 1982, total	46 626	5
Value for establishments with LIFO reserve	1 090	13
Amount of LIFO reserve	461	10
Value for establishments with no LIFO reserve	45 536	5
End of 1981, total	42 826	6
Value for establishments with LIFO reserve	1 268	11
Amount of LIFO reserve	378	12
Value for establishments with no LIFO reserve	41 558	6
Establishments with no inventories:		
Number	2 941	2
Total construction receipts	894 620	3

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	4 169	2 794	758	402	157	37	17	2	-	1
All employees**	27 200	5 558	4 938	5 191	4 646	2 470	2 652	1 745	(D)	(D)
Payroll, all employees	459 659	54 018	63 078	78 297	84 482	53 751	58 487	67 545	-	(D)
Construction worker hours (thousands)	37 204	6 847	5 809	6 750	5 794	3 967	4 035	3 998	-	(D)
All business receipts	1 734 891	287 126	258 704	315 436	350 163	183 973	339 489	(D)	-	(D)
Total construction receipts	1 689 207	280 213	250 681	302 815	340 497	180 802	334 199	(D)	-	(D)
Net construction receipts†	1 403 600	237 127	210 658	257 366	267 464	156 104	274 880	(D)	-	(D)
Value added††	801 343	133 063	118 424	142 579	148 994	93 702	164 579	(D)	-	(D)
Payments for materials, components, supplies, and fuels	641 464	108 849	98 489	126 059	126 901	65 573	115 591	(D)	-	(D)
Payments for construction work subcontracted to others	285 607	43 085	40 023	45 449	73 032	24 698	59 319	(D)	-	(D)
Rental payments for machinery, equipment, and structures	23 108	2 345	2 434	4 123	5 250	2 842	6 113	(D)	-	(D)
Capital expenditures, other than land	40 445	5 400	5 074	8 668	5 906	5 134	10 261	(D)	-	(D)
End-of-year gross book value of depreciable assets	497 091	91 106	58 561	80 366	95 879	66 329	104 848	(D)	-	(D)
1977										
All employees**	35 975	6 657	6 201	5 688	6 484	3 096	2 611	5 238	(D)	-
Total construction receipts	1 872 480	301 485	253 187	263 619	337 167	181 798	133 833	401 392	(D)	-
Value added††	906 507	131 000	114 071	115 240	157 284	87 022	70 864	231 026	(D)	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	4	6	6	5	(W)	(W)	(W)	-	-
Net construction receipts†	2	4	7	5	2	(W)	(W)	(W)	-	-
Capital expenditures, other than land	5	12	15	20	2	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	4 169	604	474	815	1 074	555	345	190	60	38	12
All employees**	27 200	672	806	1 744	4 274	3 640	4 050	3 780	2 584	2 592	3 057
Payroll, all employees	459 659	1 803	4 971	14 258	45 535	51 246	56 542	71 158	67 175	55 936	91 033
Construction worker hours (thousands)	37 204	488	828	2 039	5 267	4 687	4 816	5 099	4 482	4 012	5 481
All business receipts	1 734 891	6 457	17 108	58 657	173 093	195 179	236 778	294 853	752 766	(D)	(D)
Total construction receipts	1 689 207	6 386	16 939	57 244	169 908	190 296	227 218	285 319	206 698	244 731	284 467
Net construction receipts†	1 403 600	5 615	15 878	53 626	155 802	166 362	185 758	236 025	162 987	192 275	229 270
Value added††	801 343	3 570	9 735	30 881	90 847	95 535	102 374	128 370	90 831	120 623	128 575
Payments for materials, components, supplies, and fuels	641 464	2 098	6 255	23 773	68 009	75 020	90 818	116 103	76 893	182 493	(D)
Payments for construction work subcontracted to others	285 607	770	1 061	3 617	14 106	23 934	41 459	49 294	43 711	52 456	55 197
Rental payments for machinery, equipment, and structures	23 108	59	209	540	2 014	1 996	2 250	3 038	3 504	3 839	5 655
Capital expenditures, other than land	40 445	*86	276	952	4 729	3 391	5 072	7 861	2 830	5 797	9 449
End-of-year gross book value of depreciable assets	497 091	2 076	5 330	21 993	63 411	50 126	61 608	76 493	47 765	80 743	87 544
1977											
All employees**	35 975	(S)	1 299	2 943	5 488	4 224	3 916	5 643	3 490	18 035	(NA)
Total construction receipts	1 872 480	(S)	25 212	75 769	194 982	188 329	210 954	333 022	219 130	161 158	(NA)
Value added††	906 507	(S)	15 099	42 874	96 039	90 648	91 702	144 639	91 392	132 389	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	8	10	8	7	7	7	4	(W)	(W)	(W)
Net construction receipts†	2	8	9	6	6	6	8	6	(W)	(W)	(W)
Capital expenditures, other than land	5	52	28	23	16	13	15	18	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts[‡]	1 689 207	1 360 846	328 361	2	2	3
Building construction						
Single-family houses	1 156 107	932 972	223 134	2	2	2
Single-family houses, detached	324 441	250 927	73 514	5	6	6
Single-family houses, attached	295 009	227 178	67 831	6	6	7
Apartment buildings with two or more apartments	29 432	23 749	5 683	11	13	18
Other residential buildings	46 514	38 658	7 856	10	12	10
	28 370	23 583	4 786	3	3	7
Office and bank buildings	201 744	173 782	27 962	2	2	3
Office buildings	174 848	152 011	22 837	2	2	3
Bank buildings and other financial institutions	26 895	21 770	5 125	5	6	6
Farm buildings	83 751	72 524	11 227	12	13	13
Industrial buildings and warehouses	163 894	125 012	38 881	3	4	4
Industrial buildings	114 004	84 236	29 768	3	4	5
Warehouses	49 889	40 775	9 113	9	8	5
Stores, restaurants, public garages, and automobile service stations	121 682	96 053	25 629	5	5	9
Religious buildings	20 031	14 175	5 856	7	10	5
Educational buildings	71 703	58 705	12 997	6	8	11
Hospitals and institutional buildings	68 619	58 742	9 876	2	2	5
Amusement, social, and recreational buildings	13 173	11 922	1 251	7	8	14
Other nonresidential buildings	12 185	8 889	3 299	16	16	30
Nonbuilding construction						
Highways, streets, and related facilities	413 035	326 779	86 256	2	2	4
Bridges, tunnels, and elevated highways	131 766	97 926	33 839	2	3	7
Conservation and development construction	24 824	21 738	3 085	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	19 862	17 336	2 526	13	13	25
	45 414	37 080	8 333	6	6	12
Sewers, water mains, and related facilities	77 826	57 818	20 007	4	4	9
Sewers, sewer lines, and related facilities	34 109	27 087	7 022	5	5	6
Water mains and related facilities	43 716	30 731	12 984	7	7	13
Sewage treatment and water treatment plants	6 805	6 136	669	5	3	30
Heavy industrial facilities	61 013	53 232	7 781	3	3	7
Blast furnaces, petroleum refineries, and chemical complexes	5 043	(D)	(D)	3	—	—
Power plants	55 970	(D)	(D)	4	—	—
Other nonbuilding construction	45 525	35 513	10 016	9	16	7
Construction work, n.s.k.	120 065	101 094	18 970	6	5	7
1977						
Total construction receipts[‡]	1 872 480	1 606 536	265 944	1	1	2
Building construction						
Single-family houses	1 192 321	1 023 624	168 697	2	2	3
Apartment buildings with two or more apartments	455 726	388 246	67 480	4	4	6
Other residential buildings	53 762	48 584	5 178	11	13	12
Office and bank buildings	19 759	16 507	3 252	11	13	4
Farm buildings	96 056	78 806	17 250	3	4	4
Industrial buildings and warehouses	66 389	57 979	8 410	9	10	11
	252 398	219 390	33 008	3	4	4
Stores, restaurants, public garages, and automobile service stations	58 203	44 604	13 599	5	6	6
Religious buildings	19 360	15 615	3 745	4	4	12
Educational buildings	72 873	66 184	6 689	2	2	7
Hospitals and institutional buildings	84 180	76 812	7 368	1	1	4
Amusement, social, and recreational buildings	9 397	8 532	865	8	8	13
Other nonresidential buildings	4 220	2 365	*1 855	26	29	46
Nonbuilding construction						
Highways, streets, and related facilities	588 037	500 598	87 439	1	1	3
Bridges, tunnels, and elevated highways	166 460	125 798	40 662	2	3	4
Conservation and development construction	60 751	(D)	(D)	(W)	—	—
Power and communication transmission lines, towers, and related facilities	34 559	30 434	4 125	10	10	14
	42 868	(D)	(D)	2	—	—
Sewers, water mains, and related facilities	142 998	132 842	10 156	3	3	11
Pipeline, other than sewer or water lines	15 768	14 796	972	2	2	7
Sewage treatment and water treatment plants	31 037	29 299	1 738	2	2	2
Power plants	48 951	47 661	1 290	(W)	(W)	(W)
Other nonbuilding construction	44 645	36 839	7 806	6	5	18
Construction work, n.s.k.	92 143	82 170	9 973	4	4	9

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	4 169	22 216	37 204	17 972	7 326	21 775	9 366
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	627	1 792	2 828	1 546	602	1 801	726
1522	Other residential buildings -----	49	172	287	166	58	165	62
1531	Operative builders -----	116	287	467	273	119	293	119
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	56	533	957	360	152	434	205
1542	Nonresidential buildings, n.e.c. -----	260	2 744	4 237	2 049	800	2 433	1 008
16	Heavy construction general contractors:							
1611	Highway and street construction -----	89	1 345	2 439	665	244	1 390	601
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	9	232	517	176	84	251	138
1623	Water, sewer, and utility lines -----	112	869	1 629	696	276	895	438
1629	Heavy construction, n.e.c. -----	68	284	546	218	107	273	143
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	550	2 431	4 164	2 285	971	2 309	1 019
1721	Painting, paper hanging, and decorating -----	182	618	818	395	131	618	216
1731	Electrical work -----	401	3 293	6 769	3 140	1 537	3 327	1 754
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	187	680	728	526	143	619	162
1742	Plastering, drywall, and insulation work -----	121	1 075	1 747	958	375	1 008	402
1743	Terrazzo, tile, marble, and mosaic work -----	17	88	114	90	30	90	28
175	Carpentering and flooring:							
1751	Carpentering -----	334	885	1 190	707	232	849	308
1752	Floor laying and other floorwork -----	37	89	163	92	*40	90	*41
1761	Roofing and sheet metal work -----	163	1 227	1 893	1 052	395	1 249	493
1771	Concrete work -----	206	993	1 416	617	227	1 035	363
1781	Water well drilling -----	96	422	740	410	169	441	200
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	36	157	228	77	*28	136	*46
1793	Glass and glazing work -----	16	72	125	63	25	65	28
1794	Excavating and foundation work -----	252	1 254	2 089	830	335	1 319	562
1795	Wrecking and demolition work -----	*7	*16	*47	*16	(S)	*16	(S)
1796	Installing building equipment, n.e.c. -----	36	231	402	223	100	230	98
1799	Special trade contractors, n.e.c. -----	128	418	650	332	121	429	177
6552	Subdividers and developers, n.e.c. -----	*8	*5	*4	*5	(S)	*5	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—											SIC code	
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K			
H	I	J	K													
24 676	10 674	22 725	9 836	2	2	2	2	2	2	2	2	2	2	2	15,16, 17	
															15	
1 909 212	797 88	1 704 135	702 77	8 27	9 15	8 30	11 25	8 26	11 22	8 34	11 21	8 15	11 12	152 1521 1522		
297	122	260	105	17	17	17	22	17	21	17	23	18	23	1531		
741 3 261	331 1 266	585 3 099	267 1 161	13 6	12 5	12 5	14 5	12 6	12 5	13 7	13 6	17 7	18 5	154 1541 1542		
														16		
1 804	926	1 448	667	5	4	4	6	5	4	5	5	5	5	6	1611	
														162		
263 1 006 321	160 518 158	234 854 294	134 396 136	(W) 8 17	(W) 7 16	(W) 8 16	(W) 10 21	(W) 8 17	(W) 8 21	(W) 8 17	(W) 8 20	(W) 8 18	(W) 8 18	(W) 10 18	1622 1623 1629	
														17		
2 511	1 092	2 382	1 080	5	5	5	6	5	6	5	6	5	6	6	1711	
837	287	542	181	16	17	16	21	16	19	22	22	17	22	22	1721	
3 089	1 577	3 437	1 900	3	2	3	3	3	3	3	3	3	3	3	3	1731
															174	
840 1 125 82	230 477 27	648 1 172 86	192 492 27	15 7 27	16 5 24	16 7 26	24 7 28	15 7 26	19 7 31	17 7 28	20 6 30	16 7 27	21 7 31	1741 1742 1743		
902 88	324 40	936 86	325 40	10 30	12 35	12 32	18 44	10 29	15 41	11 30	15 42	12 30	15 42	12	175 1751 1752	
1 399	552	1 142	452	6	6	6	7	6	7	7	7	7	7	7	1761	
1 147	431	1 096	394	10	10	11	15	9	12	10	12	12	12	14	1771	
430	196	375	172	11	11	11	14	11	14	11	14	10	14	14	1781	
*219 80 1 443 *16 223 422	*86 34 643 *(S) 102 188	168 70 1 322 *16 100 409	*66 36 547 (S) 55 162	35 21 8 55 5 14	39 25 8 68 5 15	31 19 10 55 5 16	52 32 13 - 10 23	33 18 8 55 5 15	41 31 10 - 55 18	42 23 8 55 6 13	48 33 9 - 55 16	38 21 9 55 8 15	50 29 11 - 55 19	1791 1793 1794 1795 1796 1799		
*5	(S)	(S)	-	49	69	49	-	49	-	49	-	-	-	-	6552	

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

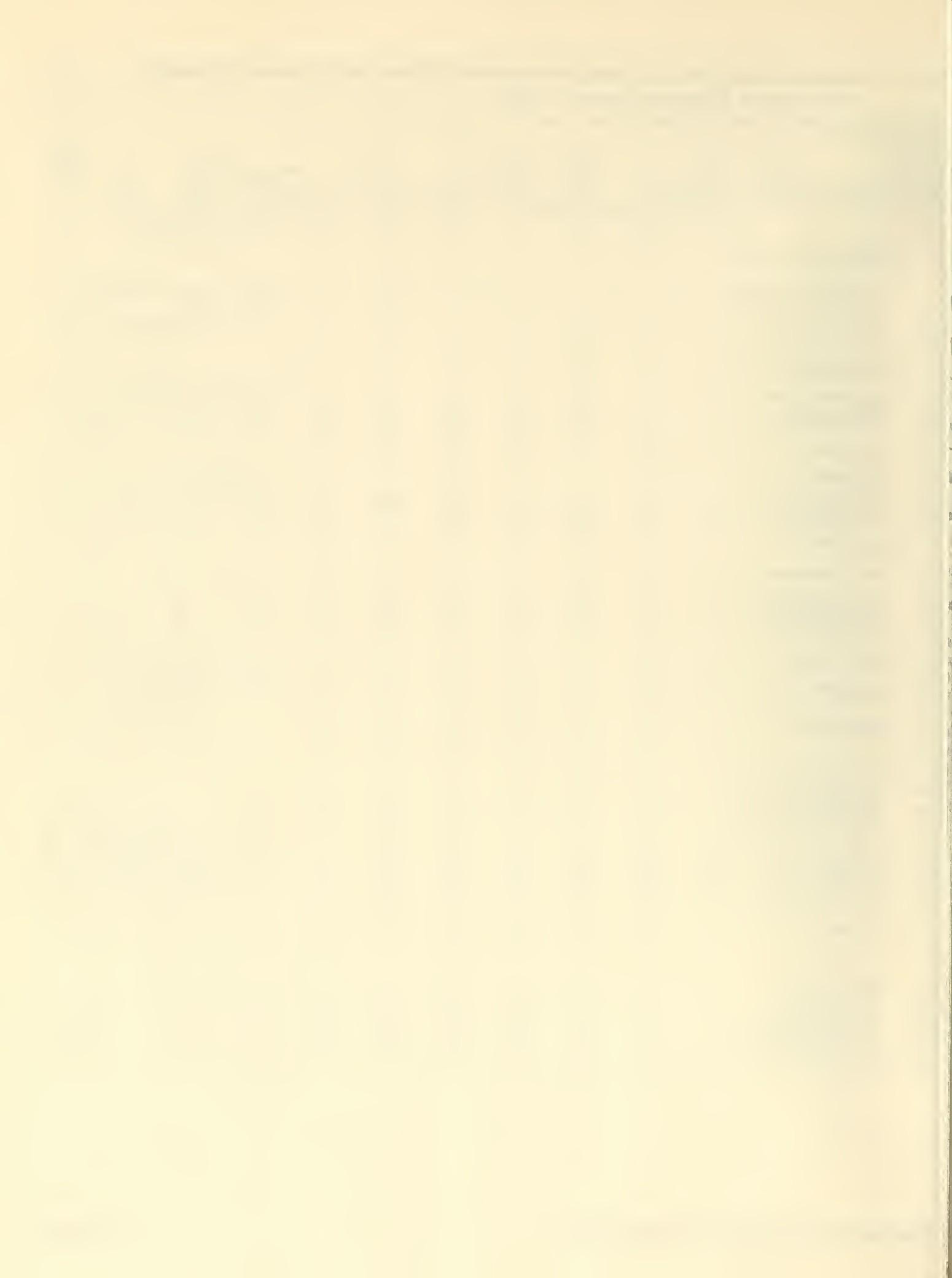
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
15,16, 17	Construction industries and subdividers and developers	6.5	16.9	1.7	76.0	.272	.380	.169	.024	.014
15	Construction industries:									
152	General building contractors and operative builders:									
1521	General contractors, residential buildings:									
1522	Single-family houses	3.5	11.7	1.6	72.8	.197	.408	.198	.022	.008
	Other residential buildings	(D)	(D)	1.7	(D)	.154	.317	.422	.007	.005
1531	Operative builders	4.2	16.0	1.6	213.4	.128	.348	.445	.017	.006
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	14.2	13.6	1.8	91.1	.223	.423	.254	.011	.006
1542	Nonresidential buildings, n.e.c.	13.6	15.6	1.5	115.2	.174	.330	.387	.016	.009
16	Heavy construction general contractors:									
1611	Highway and street construction	17.8	16.9	1.8	80.8	.246	.470	.112	.039	.031
1622	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction	29.2	20.0	2.2	74.9	.302	(D)	.098	.027	.007
1623	Water, sewer, and utility lines	8.8	19.4	1.9	92.7	.238	.306	.078	.052	.023
1629	Heavy construction, n.e.c.	5.0	18.7	1.9	103.5	.217	.277	.208	.049	.051
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	5.9	17.2	1.7	78.7	.294	.452	.093	.012	.011
1721	Painting, paper hanging, and decorating	3.8	10.6	1.3	30.8	.388	.249	.020	.013	.014
1731	Electrical work	9.8	27.0	2.1	64.6	.497	.396	.035	.038	.020
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	4.1	10.0	1.1	31.4	.358	.368	.034	.008	.008
1742	Plastering, drywall, and insulation work	10.5	16.9	1.6	64.1	.313	.396	.080	.015	.008
1743	Terrazzo, tile, marble, and mosaic work	6.1	13.5	1.3	34.9	.455	.473	-	(D)	-
175	Carpentering and flooring:									
1751	Carpentering	2.8	10.4	1.3	43.0	.258	.360	.145	.021	.006
1752	Floor laying and other floorwork	3.5	15.7	1.8	82.4	.278	.557	.052	.007	.012
1761	Roofing and sheet metal work	9.3	19.0	1.5	85.9	.275	.395	.124	.013	.010
1771	Concrete work	5.5	12.1	1.4	45.2	.304	(D)	.098	.027	.023
1781	Water well drilling	5.4	14.4	1.8	80.0	.222	.458	.020	.035	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	4.9	13.7	1.5	49.7	.311	*.394	*.007	*.050	.031
1793	Glass and glazing work	7.4	20.7	1.7	131.4	.259	.597	.006	.014	.009
1794	Excavating and foundation work	5.6	14.4	1.7	58.8	.276	.259	.074	.033	.013
1795	Wrecking and demolition work	*2.3	*20.9	*2.9	*68.3	*.307	(D)	*.053	*.004	*.003
1796	Installing building equipment, n.e.c.	7.9	23.6	1.7	80.1	.361	.211	.065	.003	.007
1799	Special trade contractors, n.e.c.	(D)	(D)	1.6	(D)	.271	.377	.056	.039	(D)
6552	Subdividers and developers, n.e.c.	*1.3	10.7	*.8	91.0	.235	.244	.281	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D.]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
			A	B	C	D	E	F	G	H	B	E
	OMAHA, NEBR.-IOWA, SMSA											
	Construction Industries and subdividers and developers	1 346	10 684	212 456	767 617	619 024	361 710	275 996	148 593	11 849	2	2
15,16, 17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	151	(S) 91	(S) 1 706	(S) 8 217	(S) 2 942	(S) (D)	(S) 1 929	(S) 5 275	(S) (D)	(W)	(W)
1522	Other residential buildings -----	7										
1531	Operative builders -----	66	251	4 990	41 024	24 238	9 317	15 114	16 786	763	13	23
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses-----	15	1 190	3 890	15 618	10 299	4 644	6 613	5 319	*45	17	14
1542	Nonresidential buildings, n.e.c. -----	71	1 185	26 211	166 833	95 082	49 757	46 584	71 751	1 495	5	3
16	Heavy construction general contractors:											
1611	Highway and street construction -----	30	327	5 709	25 924	22 837	12 563	(D)	3 087	173	14	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	3	(D) 287	(D) 1 903	(D) 11 286	(D) 8 171	(D) 13 774	(D) 6 456	(D) 6 620	(D) 1 526	(D) 2 192	(D) 11
1623	Water, sewer, and utility lines -----	30	87								418	10
1629	Heavy construction, n.e.c. -----	9									6	1
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	199	1 442	30 183	94 248	84 788	50 188	39 664	9 460	931	7	5
1721	Painting, paper hanging, and decorating -----	85	353	4 383	9 836	9 655	7 379	(D)	*181	*45	24	21
1731	Electrical work -----	121	1 559	47 348	106 663	105 486	57 776	(D)	1 178	623	5	3
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	61	318	3 583	8 402	7 949	5 099	(D)	*454	*81	20	13
1742	Plastering, drywall, and insulation work -----	52	762	14 557	48 995	45 318	26 472	19 491	3 677	375	7	5
1743	Terrazzo, tile, marble, and mosaic work -----	10	78	1 161	2 239	2 239	1 720	1 042	-	(D)	34	20
175	Carpentering and flooring:											
1751	Carpentering -----	111	449	5 335	18 989	15 869	11 256	(D)	3 120	*266	16	28
1752	Floor laying and other floorwork -----	26	91	1 240	4 430	4 095	2 040	2 640	*335	24	33	24
1761	Roofing and sheet metal work -----	52	721	15 717	47 297	42 081	24 005	(D)	5 216	599	8	6
1771	Concrete work -----	83	678	8 837	25 298	22 012	13 840	(D)	3 286	1 015	12	9
1781	Water well drilling -----	6	49	803	4 132	(D)	2 187	1 788	(D)	51	4	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1793	Glass and glazing work -----	5	63	1 502	5 920	5 862	2 923	(D)	58	129	12	5
1794	Excavating and foundation work -----	78	576	8 716	28 468	25 934	21 175	6 789	2 534	(D)	11	7
1795	Wrecking and demolition work -----	7	*16	*335	*1 092	*1 034	*916	(D)	*58	(D)	56	61
1796	Installing building equipment, n.e.c. -----	17	220	5 881	14 894	14 184	11 095	3 122	710	-	6	4
1799	Special trade contractors, n.e.c. -----	51	210	2 469	8 826	7 908	5 510	2 721	918	*366	26	18
6552	Subdividers and developers, n.e.c. -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-



North Dakota

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-- Not applicable.



SUMMARY OF FINDINGS

During 1982, 6,133 establishments in North Dakota operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.1 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 4,164 establishments in this State with no payroll accounted for about 12 percent of all business receipts for all construction establishments in North Dakota. On the other hand, 1,969 establishments classified as "employers" accounted for 88 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$945 million, of which \$925 million were receipts for construction work. These establishments paid \$154 million for construction work subcontracted to others, leaving net construction receipts of about \$770 million. Value added for these establishments amounted to \$431 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in North Dakota paid \$327 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$29.6 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in North Dakota was 13.0 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 3.2 million hours, while hours worked during the third quarter were 5.8 million hours.

Total payroll for 1982 was \$214 million. Payments of \$36.2 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for North Dakota are based on a sample of about 775 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
1982														
15,16, 17	Construction industries and subdividers and developers-----	6 133	5 135	12 950	1 074 965	4 164	4 176	129 479	1 969	959	12 950	945 486	2	2
15,16, 17	Construction industries ¹ -----	6 065	5 094	12 908	1 069 816	4 110	4 139	126 403	1 955	955	12 908	943 413	3	2
15	General building contractors and operative builders-----	1 376	1 085	3 451	361 270	860	856	46 037	516	229	3 451	315 233	6	4
16	Heavy construction, general contractors-----	327	213	2 102	207 511	169	169	7 807	158	44	2 102	199 704	5	3
17	Special trade contractors-----	4 362	3 796	7 355	501 035	3 081	3 114	72 559	1 281	682	7 355	428 476	4	4
1711	Plumbing, heating, and air conditioning-----	453	375	1 610	125 777	259	265	9 451	194	110	1 610	116 326	6	4
1731	Electrical work-----	463	325	1 511	100 366	249	244	13 508	214	81	1 511	86 858	10	9
6552	Subdividers and developers, n.e.c. ² -----	61	40	*37	*5 146	54	37	3 076	*7	*3	*37	*2 070	73	65
1977														
15,16, 17	Construction industries and subdividers and developers-----	5 262	4 670	15 438	797 359	3 138	3 213	52 777	2 124	1 457	15 438	744 582	3	2
15,16, 17	Construction industries ¹ -----	5 213	4 630	15 403	790 607	3 097	3 176	48 830	2 116	1 454	15 403	741 777	3	2
15	General building contractors and operative builders-----	1 244	1 042	5 843	333 574	488	512	15 236	756	530	5 843	318 338	4	4
16	Heavy construction, general contractors-----	355	245	3 136	184 334	175	183	4 840	180	62	3 136	179 494	3	2
17	Special trade contractors-----	3 614	3 343	6 424	272 699	2 434	2 481	28 754	1 180	862	6 424	243 945	5	3
1711	Plumbing, heating, and air conditioning-----	362	278	1 627	76 902	156	160	3 597	206	118	1 627	73 305	9	6
1731	Electrical work-----	331	278	1 203	53 958	154	158	2 818	177	120	1 203	51 140	7	8
6552	Subdividers and developers, n.e.c. ² -----	53	40	(S)	6 757	41	37	3 947	12	3	(S)	(S)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹				Establishments with payroll				Relative standard error of estimate (percent) for column—											
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts	A	B	C	D	E	F	G	H	I	J	K	J	K
1982																								
The State	6 133	5 135	12 950	1 074 965	4 164	4 176	129 479	1 969	959	12 950	945 486	2	2											
\$10,000,000 or more	8	—	1 402	(D)	—	—	—	8	—	1 402	(D)	(W)	—											
\$5,000,000 to \$9,999,999	14	—	1 035	(D)	—	—	—	14	—	1 035	(D)	(W)	—											
\$2,500,000 to \$4,999,999	49	3	1 583	(D)	—	—	—	49	3	1 583	(D)	(W)	—											
\$1,000,000 to \$2,499,999	136	24	2 504	(D)	6	3	8 817	130	21	2 504	(D)	9	—											
\$500,000 to \$999,999	168	50	1 564	(D)	19	20	13 415	149	30	1 564	(D)	9	—											
\$250,000 to \$499,999	323	164	1 765	851 554	51	53	18 025	272	111	1 765	833 529	11	2											
\$100,000 to \$249,999	651	407	1 651	104 814	180	185	27 656	471	222	1 651	77 158	10	8											
\$50,000 to \$99,999	657	513	668	45 711	337	343	22 796	320	170	668	22 915	12	11											
\$25,000 to \$49,999	695	661	312	24 974	508	520	17 850	187	141	312	7 124	18	14											
Less than \$25,000	3 430	3 312	464	25 680	3 063	3 052	20 920	367	260	464	4 760	15	16											
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	849	848	13 479	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	651	645	4 371	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	830	829	2 337	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	733	730	733	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
1977																								
The State	5 262	4 670	15 438	797 359	3 138	3 213	52 777	2 124	1 457	15 438	744 582	3	2											
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
\$5,000,000 to \$9,999,999 ²	19	—	2 745	192 072	—	—	—	19	—	2 745	192 072	(W)	(W)											
\$2,500,000 to \$4,999,999	26	1	1 397	(D)	—	—	—	26	1	1 397	(D)	(W)	—											
\$1,000,000 to \$2,499,999	96	12	2 434	232 255	2	2	(D)	94	10	2 434	232 255	1	1											
\$500,000 to \$999,999	150	35	2 147	111 039	8	9	8 082	142	26	2 147	102 957	6	7											
\$250,000 to \$499,999	249	113	2 064	87 736	10	12	3 577	239	101	2 064	84 159	10	10											
\$100,000 to \$249,999	647	520	2 676	100 503	54	52	7 912	593	468	2 676	92 591	12	9											
\$50,000 to \$99,999	461	415	932	31 532	105	117	7 175	356	298	932	24 357	15	13											
\$25,000 to \$49,999	584	576	558	20 782	263	279	8 801	321	297	558	11 981	15	15											
Less than \$25,000	3 031	3 000	486	21 441	2 696	2 742	17 230	335	258	486	4 211	27	17											
\$10,000 to \$24,999	882	864	304	(D)	702	728	10 737	180	136	304	(D)	22	—											
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	566	574	3 786	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	779	789	2 213	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	649	651	494	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)											

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982								
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†	
			All	Construction workers	All employees	Construction workers				
A	B	C	D	E	F	G	H			
15,16, 17	Construction industries and subdividers and developers	1 969	12 950	10 942	214 100	173 627	18 161	924 697	770 385	
15	Construction industries:									
152	General building contractors and operative builders:									
1521	General contractors, residential buildings:									
1522	Single-family houses -----	248	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
	Other residential buildings -----	30	232	204	4 171	3 105	379	21 918	14 557	
1531	Operative builders -----	24	207	112	2 628	1 426	181	121 157	18 200	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	62	718	586	11 415	8 308	911	59 461	43 537	
1542	Nonresidential buildings, n.e.c. -----	152	1 617	1 360	28 759	22 625	2 280	162 900	94 977	
16	Heavy construction general contractors:									
1611	Highway and street construction -----	76	1 351	1 203	27 277	23 207	2 386	134 871	121 931	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	4	133	103	2 787	1 963	207	9 646		
1623	Water, sewer, and utility lines -----	56	440	361	8 375	6 589	632	34 327	31 129	
1629	Heavy construction, n.e.c. -----	22	178	150	2 920	2 388	284	16 471	11 655	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning-----	194	1 610	1 297	34 857	28 952	2 211	115 086	102 043	
1721	Painting, paper hanging, and decorating -----	64	298	266	3 141	2 824	446	11 093	10 784	
1731	Electrical work -----	214	1 511	1 219	25 286	20 268	1 956	84 859	82 965	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	66	265	245	3 071	2 890	360	9 320	8 644	
1742	Plastering, drywall, and insulation work -----	74	511	437	8 588	7 336	655	25 583	24 721	
1743	Terrazzo, tile, marble, and mosaic work -----	*3	(D)	*13	*199	*150	*23	*871	*823	
175	Carpentering and flooring:									
1751	Carpentering -----	167	363	346	2 986	2 799	451	10 818	10 314	
1752	Floor laying and other floorwork -----	24	90	75	996	795	82	*4 706	*4 625	
1761	Roofing and sheet metal work -----	57	462	392	7 260	5 386	629	34 261	32 435	
1771	Concrete work -----	100	479	450	4 809	4 490	605	17 565	16 748	
1781	Water well drilling -----	48	175	143	2 298	1 798	223	9 164	8 730	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	32	160	121	2 690	2 064	223	12 502	10 691	
1793	Glass and glazing work -----	8	82	58	1 510	993	105	6 475	(D)	
1794	Excavating and foundation work -----	140	895	777	13 097	11 118	1 257	52 211	48 341	
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-	-	
1796	Installing building equipment, n.e.c. -----	7	66	54	1 723	1 391	96	4 337	4 310	
1799	Special trade contractors, n.e.c. -----	83	(D)	316	(D)	4 369	526	19 421	18 264	
6552	Subdividers and developers, n.e.c. -----	*7	*37	(S)	*576	(S)	(S)	11 821	*1 743	

¹Land receipts for SIC 1531 were \$3,713; for SIC 6552 were \$207.

1982—Con.

1977

Relative standard
error of estimate
(percent) for
column—

SIC code

Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
	I	J	K	L	M	N	O	P	Q	B	H	M
430 697	356 557	154 311	13 823	19 334	271 813	15 438	718 375	342 021	2	2	4	15,16, 17
6 559	(S) 8 031	(S) 7 361	(S) 114	(S) 388	3 040	(S) 343	(S) 17 743	(S) 5 042	— 13	— 17	— 9	152 1521 1522
12 152	6 477	2 957	168	450	3 150	1 317	78 223	33 486	24	14	33	1531
15 421 44 387	28 303 51 429	15 924 67 923	914 941	595 1 282	8 292 18 475	813 1 657	44 244 102 638	18 390 30 894	16 6	13 4	23 8	154 1541 1542
												16
73 610	51 985	12 940	3 907	6 331	84 778	1 723	104 993	52 191	5	3	1	1611
4 344 19 801 6 937	4 177 11 628 (D)	(D) 3 197 4 815	229 1 063 486	357 1 515 269	4 596 25 072 6 931	120 846 447	6 677 39 520 25 929	3 039 23 376 13 186	(W) 14 4	— 13 5	(W) 16 13	162 1622 1623 1629
												17
55 671	47 611	13 043	695	1 064	15 692	1 627	71 144	37 319	6	4	10	1711
7 982	2 802	309	*25	(D)	1 681	287	6 101	4 275	14	7	—	1721
44 741	40 223	1 893	816	1 205	17 822	1 203	50 035	29 218	10	10	15	1731
5 508 14 851 *355	(D) 10 605 *468	676 862 *47	62 335 *6	294 387 —	1 627 3 568 *36	344 410 *9	8 922 12 754 *269	5 125 7 251 *132	19 16 —	22 14 44	38 25 —	174 1741 1742
6 474 2 580	4 483 (D)	504 (S)	59 —	202 *23	1 567 *483	304 62	7 025 1 398	4 565 984	15 32	15 44	24 43	175 1751 1752
16 156	16 705	1 826	258	559	5 589	488	22 070	13 160	14	10	5	1761
9 731	7 636	*816	97	451	6 882	387	11 950	5 387	33	32	26	1771
4 713	4 216	*434	311	128	5 574	152	7 676	(D)	25	24	18	1781
6 360 3 231 34 977	4 463 3 298 15 464	1 811 (D) 3 870	283 140 2 233	199 *92 2 493	3 693 583 39 841	116 (D) 481	4 970 (D) 19 697	3 725 (D) 12 924	27 13 10	30 — 8	31 41 10	179 1793 1794
2 952 12 022	— 7 369	— 1 157	— 167	— 351	— 5 326	— *520	— 10 221	— 6 751	— — 10	— — 28	— — 1799	1795 1796 1799
*1 464	*320	78	*22	—	564	(S)	(S)	(S)	73	73	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	1 969	2 124	1 489	1 247	4	5	7	5
Number of establishments in business at end of year	1 915	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners	959	1 457	1 220	1 108	7	8	9	9
All employees**	12 950	15 438	10 171	9 007	2	3	6	2
Construction workers:								
March	7 874	9 032	5 083	5 012	3	3	5	3
May	10 554	13 838	7 936	7 454	3	3	5	3
August	13 134	16 763	11 594	10 564	3	4	6	2
November	11 256	13 840	10 524	8 391	3	4	9	2
Average	10 942	13 379	8 930	7 977	3	3	6	2
Other employees:								
March	2 002	1 910	1 088	971	4	4	9	5
Construction worker hours (thousands):								
January to March	3 216	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
April to June	4 381	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September	5 825	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December	4 736	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Total hours worked	18 161	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Payroll, all employees	214 100	176 758	86 892	54 577	2	2	6	1
Payroll, construction workers	173 627	145 566	74 240	46 620	3	2	6	2
Payroll, other employees	40 472	31 191	12 652	7 962	2	3	7	2
First quarter payroll, all employees	42 710	28 624	(NA)	(NA)	3	2	(NA)	(NA)
Employer costs for fringe benefits	36 187	25 286	(NA)	(NA)	3	3	(NA)	(NA)
Legally required expenditures	28 774	17 778	(NA)	(NA)	3	3	(NA)	(NA)
Voluntary expenditures	7 412	7 508	(NA)	(NA)	4	2	(NA)	(NA)
All business receipts	945 486	744 582	368 333	229 621	2	2	6	3
Total construction receipts	924 697	718 375	358 540	225 147	2	2	6	3
Receipts for work subcontracted in from others	180 975	107 924	42 574	19 662	6	4	22	7
Land receipts ¹	3 920	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	16 868	26 207	9 793	4 482	8	4	12	7
Net construction receipts†	770 385	599 072	290 410	187 157	2	2	7	3
Value added††	430 697	342 021	159 613	106 908	2	2	6	3
Selected payments	510 869	393 674	208 044	122 658	2	2	7	3
Materials, components, and supplies ²	326 952	255 922	139 914	84 666	3	3	8	3
Construction work subcontracted to others	154 311	119 303	68 130	37 991	2	2	7	4
Selected power, fuels, and lubricants	29 604	18 450	(NA)	(NA)	3	2	(NA)	(NA)
Electricity	2 400	1 755	(NA)	(NA)	7	4	(NA)	(NA)
Natural gas	1 389	587	(NA)	(NA)	7	10	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	23 732	13 649	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases	2 082	2 458	(NA)	(NA)	4	5	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	821	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	13 823	10 524	(NA)	(NA)	4	3	(NA)	(NA)
For machinery and equipment	10 378	8 692	4 786	3 022	4	3	19	6
For structures	3 444	1 833	(NA)	(NA)	6	7	(NA)	(NA)
Selected purchased services	22 961	22 236	(NA)	(NA)	3	3	(NA)	(NA)
Communication services	4 404	2 970	(NA)	(NA)	5	8	(NA)	(NA)
Repairs to structures and related facilities	860	940	(NA)	(NA)	9	17	(NA)	(NA)
Repairs to machinery and equipment	17 696	18 327	(NA)	(NA)	3	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	924 697	718 375	358 540	225 147	2	2	6	3
Government owned	281 235	173 111	190 404	128 131	5	1	9	9
Privately owned	643 461	545 264	168 136	97 016	3	3	5	4

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	264 070	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	19 334	36 625	16 229	10 360	4	3	15	5
New	12 750	24 581	12 600	8 216	5	4	16	5
Used	6 584	12 044	3 629	2 144	7	4	17	10
Retirements and disposition of depreciable assets	11 591	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	271 813	186 643	97 341	(NA)	3	2	13	(NA)
Depreciation charges during year	33 544	18 804	9 875	(NA)	4	3	17	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	40 626	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Capital expenditures, other than land	1 370	7 943	1 634	648	13	12	27	37
New structures and related facilities	815	6 629	842	530	17	7	26	16
Used structures and related facilities	554	1 304	792	118	16	17	29	58
Retirements and disposition of depreciable assets	2 356	(NA)	(NA)	(NA)	38	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	39 640	42 182	9 408	(NA)	5	5	8	(NA)
Depreciation charges during year	3 089	2 127	456	(NA)	10	9	11	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	223 443	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	17 963	28 682	14 595	9 712	4	4	19	7
New machinery and equipment, including automobiles and trucks	11 934	17 942	11 758	7 686	5	4	17	5
New automobiles and trucks, intended primarily for highway use	4 014	6 508	(NA)	(NA)	7	8	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	6 029	10 740	2 837	2 026	7	4	21	10
Retirements and disposition of depreciable assets	9 234	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	232 172	144 462	87 933	(NA)	4	2	14	(NA)
Depreciation charges during year	30 455	16 676	9 419	(NA)	5	3	18	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)	
		1982	1981
All establishments:			
Number	1 969		4
Total construction receipts	924 697		2
Establishments with inventories:			
Number	648		12
Total construction receipts	500 413		3
Inventories ¹ :			
End of 1982, total	19 249		
Value for establishments with LIFO reserve	596		10
Amount of LIFO reserve	*152		29
Value for establishments with no LIFO reserve	18 653		47
End of 1981, total	19 456		11
Value for establishments with LIFO reserve	726		24
Amount of LIFO reserve	175		40
Value for establishments with no LIFO reserve	18 730		5
Establishments with no inventories:			
Number	1 321		4
Total construction receipts	424 284		4

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	1 969	1 320	349	174	103	16	4	2	—	—
All employees**	12 950	2 633	2 302	2 374	3 121	1 128	1 392	(D)	—	—
Payroll, all employees	214 100	25 994	31 635	38 183	60 187	24 312	33 788	(D)	—	—
Construction worker hours (thousands)	18 161	3 356	3 020	2 934	4 429	1 986	2 434	(D)	—	—
All business receipts	945 486	126 920	555 813	(D)	(D)	262 753	(D)	(D)	—	—
Total construction receipts	924 697	124 999	131 256	157 543	250 959	127 576	132 363	(D)	—	—
Net construction receipts†	770 385	113 143	112 060	137 093	199 132	95 298	113 659	(D)	—	—
Value added††	430 697	63 985	62 049	78 076	103 971	55 043	67 571	(D)	—	—
Payments for materials, components, supplies, and fuels	356 557	50 897	54 181	61 394	100 927	89 157	(D)	(D)	—	—
Payments for construction work subcontracted to others	154 311	11 856	19 196	20 450	51 827	32 278	18 704	(D)	—	—
Rental payments for machinery, equipment, and structures	13 823	1 995	1 544	2 350	3 953	2 135	1 845	(D)	—	—
Capital expenditures, other than land	19 334	3 260	2 376	3 767	4 687	5 243	(D)	(D)	—	—
End-of-year gross book value of depreciable assets	271 813	38 087	37 978	52 797	76 363	35 872	30 714	(D)	—	—
1977										
All employees**	15 438	2 754	2 763	2 739	3 016	1 640	2 525	(D)	—	—
Total construction receipts	718 375	100 223	112 549	110 176	149 541	113 002	54 247	78 638	—	—
Value added††	342 021	49 943	51 670	52 681	77 254	44 302	66 171	(D)	—	—
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	7	9	8	6	(W)	(W)	—	—	—
Net construction receipts†	2	7	9	7	4	(W)	(W)	—	—	—
Capital expenditures, other than land	4	14	19	15	(W)	—	—	—	—	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	1 969	367	187	320	471	272	149	130	49	14	8
All employees**	12 950	464	312	668	1 651	1 765	1 564	2 504	1 583	1 035	1 402
Payroll, all employees	214 100	1 507	1 885	5 684	20 111	22 535	24 516	45 970	35 373	20 307	36 211
Construction worker hours (thousands)	18 161	425	335	861	2 104	2 181	2 097	3 583	2 370	1 687	2 514
All business receipts	945 486	4 760	7 124	22 915	77 158	833 529	(D)	(D)	(D)	(D)	(D)
Total construction receipts	924 697	4 691	7 084	22 718	76 054	89 322	98 999	187 979	167 991	104 524	165 334
Net construction receipts†	770 385	3 965	6 478	21 425	70 701	79 607	89 984	160 585	126 007	77 651	133 981
Value added††	430 697	2 521	3 972	12 226	40 759	47 203	49 822	84 848	64 586	46 489	78 268
Payments for materials, components, supplies, and fuels	356 557	1 493	2 545	9 395	30 882	36 457	42 539	78 795	64 454	33 991	56 003
Payments for construction work subcontracted to others	154 311	*726	605	1 293	5 353	9 714	9 015	27 393	41 984	26 873	31 353
Rental payments for machinery, equipment, and structures	13 823	*44	*106	260	1 167	1 204	1 263	3 875	2 032	1 467	2 403
Capital expenditures, other than land	19 334	*16	*128	583	2 084	2 036	1 932	4 623	2 588	1 982	3 360
End-of-year gross book value of depreciable assets	271 813	1 250	2 381	8 249	30 418	31 421	23 120	66 896	42 088	25 230	40 757
1977											
All employees**	15 438	486	558	932	2 676	2 064	2 147	2 434	1 397	12 745	(NA)
Total construction receipts	718 375	4 196	11 517	24 164	89 527	82 304	98 101	133 533	90 953	1184 060	(NA)
Value added††	342 021	2 397	6 598	12 925	47 460	39 590	43 683	65 415	35 893	188 061	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	15	18	12	10	11	9	9	(W)	(W)	(W)
Net construction receipts†	2	14	14	10	9	11	10	6	(W)	(W)	(W)
Capital expenditures, other than land	4	63	55	24	21	22	16	10	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts\$	924 697	734 163	190 533	2	2	3
Building construction						
Single-family houses	602 113	504 707	97 406	2	3	3
Single-family houses, detached	122 451	92 786	29 665	7	8	8
Single-family houses, attached	104 252	76 249	28 002	8	9	8
Apartment buildings with two or more apartments	18 199	16 536	1 663	8	6	16
Other residential buildings	32 424	25 813	6 610	6	8	11
Office and bank buildings	21 269	19 824	1 445	9	10	14
Office buildings	63 257	50 974	12 283	3	3	5
Bank buildings and other financial institutions	44 529	34 427	10 102	3	4	5
Farm buildings	32 604	28 939	3 664	19	22	19
Industrial buildings and warehouses	133 482	120 749	12 732	6	6	11
Industrial buildings	96 679	87 946	8 732	7	7	16
Warehouses	36 803	32 803	4 000	12	10	7
Stores, restaurants, public garages, and automobile service stations	59 663	47 950	11 712	5	5	9
Religious buildings	6 885	4 760	2 125	12	15	12
Educational buildings	46 556	37 297	9 258	5	6	7
Hospitals and institutional buildings	64 733	59 270	5 463	3	2	18
Amusement, social, and recreational buildings	4 569	3 573	995	20	23	28
Other nonresidential buildings	14 220	12 772	1 454	7	8	22
Nonbuilding construction						
Highways, streets, and related facilities	254 833	178 314	76 518	2	3	3
Bridges, tunnels, and elevated highways	143 449	88 387	55 062	3	3	3
Bridges and elevated highways	11 696	10 707	988	2	2	18
Tunnels	9 675	(D)	(D)	2	—	—
Power and communication transmission lines, towers, and related facilities	2 020	(D)	(D)	10	—	—
Sewers, water mains, and related facilities	16 685	12 588	4 097	10	11	8
Sewers, sewer lines, and related facilities	32 723	27 061	5 661	7	9	8
Water mains and related facilities	16 865	13 703	3 161	8	7	10
Heavy industrial facilities	15 857	13 358	2 499	14	15	11
Oilfields	8 872	(D)	(D)	4	—	—
Other nonbuilding construction	17 249	10 867	6 381	12	9	16
24 159	(D)	(D)	11	—	—	—
Construction work, n.s.k.	67 750	51 141	16 608	9	11	6
1977						
Total construction receipts\$	718 375	630 901	87 474	2	2	4
Building construction						
Single-family houses	473 684	407 234	66 450	2	2	4
Apartment buildings with two or more apartments	162 832	135 587	27 245	5	6	7
Other residential buildings	55 480	52 295	3 185	5	5	7
Office and bank buildings	9 622	7 593	2 029	4	3	11
Farm buildings	26 663	21 866	4 797	3	3	9
Industrial buildings and warehouses	28 270	25 284	2 986	14	14	14
Stores, restaurants, public garages, and automobile service stations	85 783	75 948	9 835	5	6	6
Religious buildings	21 258	15 784	5 474	8	4	27
Educational buildings	16 610	14 916	1 694	4	4	7
Hospitals and institutional buildings	33 852	29 697	4 155	2	2	8
Other nonresidential buildings	27 216	23 700	3 516	4	4	4
6 098	4 564	1 534	10	7	33	33
Nonbuilding construction						
Highways, streets, and related facilities	200 277	182 960	17 317	2	2	6
Bridges, tunnels, and elevated highways	98 465	92 686	5 779	1	1	6
Conservation and development construction	8 280	7 686	594	1	1	(W)
Power and communication transmission lines, towers, and related facilities	7 453	(D)	(D)	7	—	—
Sewers, water mains, and related facilities	14 070	12 073	1 997	4	4	15
Heavy industrial facilities	40 048	36 204	3 844	6	5	13
Other nonbuilding construction	12 399	(D)	(D)	(W)	—	—
19 562	17 042	2 520	15	14	31	31
Construction work, n.s.k.	44 424	40 647	3 777	6	6	9

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	1 969	10 942	18 161	7 874	3 216	10 554	4 381
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	248	(S) 204	(S) 379	(S) 176	(S) 75	(S) 175	(S) 86
1522	Other residential buildings -----	30						
1531	Operative builders -----	24	112	181	97	37	111	48
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	62	586 1 360	911 2 280	475 907	184 393	507 1 308	206 527
1542	Nonresidential buildings, n.e.c. -----	152						
16	Heavy construction general contractors:							
1611	Highway and street construction -----	76	1 203	2 386	602	249	1 137	554
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	4	103	207	33	12	111	52
1623	Water, sewer, and utility lines -----	56	361	632	210	86	362	140
1629	Heavy construction, n.e.c. -----	22	150	284	89	43	234	95
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	194	1 297	2 211	1 138	493	1 250	529
1721	Painting, paper hanging, and decorating -----	64	266	446	147	59	273	123
1731	Electrical work -----	214	1 219	1 956	1 141	464	1 103	447
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	66	245	360	194	77	251	91
1742	Plastering, drywall, and insulation work -----	74	437	655	399	150	408	147
1743	Terrazzo, tile, marble, and mosaic work -----	*3	*13	*23	*14	*6	*15	*6
175	Carpentering and flooring:							
1751	Carpentering -----	167	346	451	205	68	299	107
1752	Floor laying and other floorwork -----	24	75	82	62	*18	73	*21
1761	Roofing and sheet metal work -----	57	392	629	277	105	370	155
1771	Concrete work -----	100	450	605	114	*43	473	150
1781	Water well drilling -----	48	143	223	112	40	149	62
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	32	121	223	113	52	118	50
1793	Glass and glazing work -----	8	58	105	59	26	58	26
1794	Excavating and foundation work -----	140	777	1 257	511	202	775	313
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	7	54	96	55	26	49	23
1799	Special trade contractors, n.e.c. -----	83	316	526	229	95	324	140
6552	Subdividers and developers, n.e.c. -----	*7	(S)	(S)	(S)	(S)	(S)	(S)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—												SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K			
H	I	J	K													
13 134	5 825	11 256	4 736	3	3	3	3	3	3	3	3	3	3	3	4	15,16, 17
																15
(S) 251	(S) 115	(S) 224	(S) 101	13	14	13	17	13	16	15	17	12	16	152 1521 1522		
116	50	109	45	24	26	22	29	24	30	24	30	26	32	32	1531	
1 792	669 749	263 1 376	642 609	17 6	11 5	16 7	15 8	20 10	14 8	18 8	11 7	16 5	16 6	154 1541 1542		
															16	
1 737	972	1 293	611	5	4	10	9	6	5	4	4	4	4	5	1611	
															162	
155 471 131	90 230 77	112 404 138	52 175 68	(W) 15 4	(W) 14 7	(W) 17 5	(W) 22 11	(W) 15 3	(W) 16 9	(W) 12 5	(W) 13 11	(W) 18 5	(W) 17 12	(W) 1622 1623 1629		
															17	
1 370	612	1 335	575	6	5	5	7	5	6	6	6	6	6	7	1711	
336	147	268	115	14	16	16	24	14	21	16	21	15	19	19	1721	
1 230	512	1 287	531	11	11	12	12	10	12	10	12	12	13	13	1731	
															174	
266 471 *14	104 184 *6	224 425 *8	87 171 (S)	19 17 45	22 17 54	22 17 47	30 19 67	20 16 44	28 19 62	20 18 47	26 21 67	22 17 46	29 22 46	1741 1742 1743		
414 80	139 *21	375 71	136 *21	15 31	18 33	19 37	31 54	15 32	25 49	17 29	24 45	16 32	24 46	1751 1752		
447	194	437	173	14	15	12	17	16	19	16	18	17	19	1761		
*738	*257	467	153	35	35	31	50	34	38	41	41	34	38	1771		
151	62	137	58	26	27	27	39	23	31	30	36	27	34	1781		
118 57 951	63 25 431	129 60 823	57 26 310	26 14 11	31 14 10	27 15 11	34 19 12	27 14 11	39 16 12	26 12 11	40 15 12	24 15 13	35 16 14	179 1793 1794		
- 49 351	- 23 163	- 62 274	- 23 126	(W) 14	(W) 13	(W) 20	(W) 23	(W) 14	(W) 19	(W) 14	(W) 15	(W) 14	(W) 16	- 1795 1796 1799		
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	-	6552	

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	6.6	16.5	1.7	84.5	.232	.386	.167	.021	.015
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses-----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings-----	7.7	18.0	1.9	107.4	.190	.366	.336	.018	.005
1531	Operative builders-----	8.6	12.7	1.6	188.9	.124	.306	.140	.021	.008
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses-----	11.6	15.9	1.6	101.5	.192	.476	.268	.010	.015
1542	Nonresidential buildings, n.e.c.-----	10.6	17.8	1.7	119.8	.177	.316	.417	.008	.006
16	Heavy construction general contractors:									
1611	Highway and street construction-----	17.8	20.2	2.0	112.1	.202	.385	.096	.047	.029
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction-----	33.3	21.0	2.0	93.7	.289	.433	(D)	.037	.024
1623	Water, sewer, and utility lines-----	7.9	19.0	1.8	95.1	.244	.339	.093	.044	.031
1629	Heavy construction, n.e.c.-----	8.1	16.4	1.9	109.8	.177	(D)	.292	.016	.030
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning-----	8.3	21.7	1.7	88.7	.303	.414	.113	.009	.006
1721	Painting, paper hanging, and decorating-----	4.7	10.5	1.7	41.7	.283	.253	.028	(D)	*.002
1731	Electrical work-----	7.1	16.7	1.6	69.6	.298	.474	.022	.014	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework-----	4.0	11.6	1.5	38.0	.330	(D)	.073	.032	.007
1742	Plastering, drywall, and insulation work-----	6.9	16.8	1.5	58.5	.336	.415	.034	.015	.013
1743	Terrazzo, tile, marble, and mosaic work-----	(D)	(D)	*1.8	(D)	*.228	*.537	*.054	-	*.007
175	Carpentering and flooring:									
1751	Carpentering-----	2.2	8.2	1.3	31.3	.276	.414	.047	.019	.005
1752	Floor laying and other floorwork-----	3.8	11.1	1.1	*62.7	*.212	(D)	(S)	*.005	-
1761	Roofing and sheet metal work-----	8.1	15.7	1.6	87.4	.212	.488	.053	.016	.008
1771	Concrete work-----	4.8	10.0	1.3	39.0	.274	.435	*.046	.026	.006
1781	Water well drilling-----	3.6	13.1	1.6	64.1	.251	.460	*.047	.014	.034
179	Miscellaneous special trade contractors:									
1791	Structural steel erection-----	5.0	16.8	1.8	103.3	.215	.357	.145	.016	.023
1793	Glass and glazing work-----	10.3	18.4	1.8	111.6	.233	.509	(D)	*.014	.022
1794	Excavating and foundation work-----	6.4	14.6	1.6	67.2	.251	.296	.074	.048	.043
1795	Wrecking and demolition work-----	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c.-----	9.4	26.1	1.8	80.3	.397	(D)	.006	(D)	(D)
1799	Special trade contractors, n.e.c.-----	(D)	(D)	1.7	(D)	(D)	.379	.060	.018	.009
6552	Subdividers and developers, n.e.c. -----	*5.3	*15.6	(S)	*72.8	*.316	*.176	*.043	-	*.012

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

South Dakota

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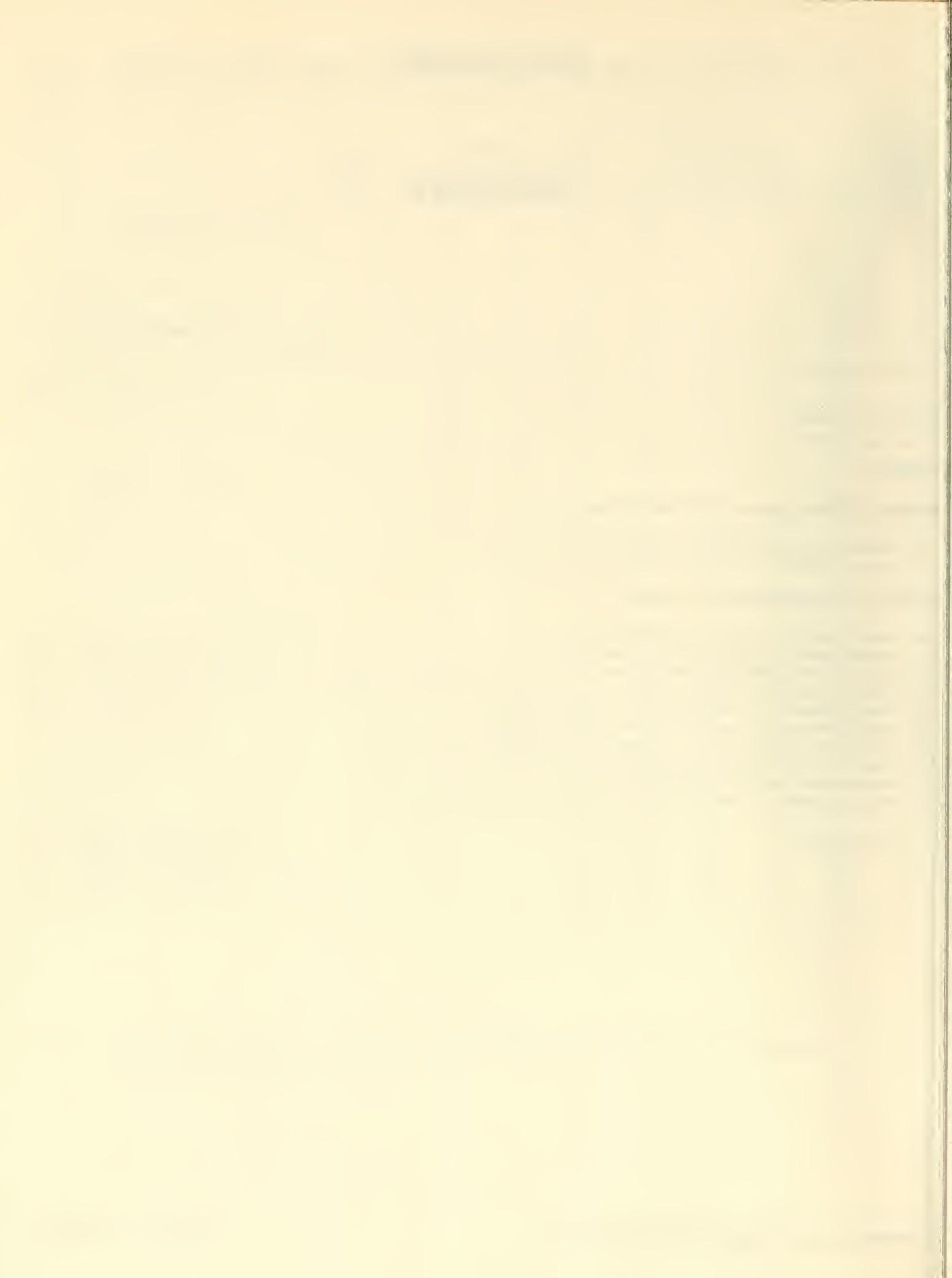
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-- Not applicable.



SUMMARY OF FINDINGS

During 1982, 6,323 establishments in South Dakota operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$648 million.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 4,600 establishments in this State with no payroll accounted for about 19 percent of all business receipts for all construction establishments in South Dakota. On the other hand, 1,723 establishments classified as "employers" accounted for 81 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$524 million, of which \$507 million were receipts for construction work. These establishments paid \$88.1 million for construction work subcontracted to others, leaving net construction receipts of about \$419 million. Value added for these establishments amounted to \$229 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in South Dakota paid \$187 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$17.6 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in South Dakota was 8.9 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 2.3 million hours, while hours worked during the third quarter were 3.5 million hours.

Total payroll for 1982 was \$118 million. Payments of \$21.6 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for South Dakota are based on a sample of about 650 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	6 323	5 446	8 866	648 496	4 600	4 639	124 486	1 723	807	8 866	524 010	3	3
15,16, 17	Construction industries ¹ -----	6 254	5 401	(D)	(D)	4 540	4 595	120 668	1 714	806	(D)	(D)	-	-
15	General building contractors and operative builders-----	1 370	1 110	2 560	238 739	883	895	39 052	487	215	2 560	199 687	6	5
16	Heavy construction, general contractors-----	365	248	(D)	(D)	200	202	9 912	165	46	(D)	(D)	-	-
17	Special trade contractors-----	4 519	4 043	4 677	290 320	3 457	3 498	71 704	1 062	545	4 677	218 616	5	5
1711	Plumbing, heating, and air conditioning-----	529	423	1 002	71 012	353	361	13 377	176	62	1 002	57 635	10	8
1731	Electrical work-----	459	356	778	37 955	285	287	8 523	174	69	778	29 432	16	13
6552	Subdividers and developers, n.e.c. ² -----	66	44	(D)	(D)	60	44	3 818	*6	-	(D)	(D)	-	-
	1977													
	Construction industries and subdividers and developers-----	6 071	5 736	12 327	648 233	3 886	3 984	78 413	2 185	1 752	12 327	569 820	4	3
15,16, 17	Construction industries ¹ -----	6 025	5 684	(D)	(D)	3 842	3 932	75 880	2 183	1 752	(D)	(D)	-	-
15	General building contractors and operative builders-----	1 408	1 297	4 411	267 033	667	703	25 637	741	594	4 411	241 396	8	6
16	Heavy construction, general contractors-----	422	404	(D)	(D)	195	204	12 796	227	200	(D)	(D)	-	-
17	Special trade contractors-----	4 195	3 983	5 624	232 660	2 980	3 025	37 447	1 215	958	5 624	195 213	5	4
1711	Plumbing, heating, and air conditioning-----	482	439	1 215	58 085	254	257	6 575	228	182	1 215	51 510	9	9
1731	Electrical work-----	404	350	960	40 203	250	253	3 574	154	97	960	36 629	13	12
6552	Subdividers and developers, n.e.c. ² -----	50	52	(D)	(D)	44	52	2 533	*6	-	(D)	(D)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—		
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts			
	A	B	C	D	E	F	G	H	I	J	K	J	K	
1982														
The State -----	6 323	5 446	8 866	648 496	4 600	4 639	124 486	1 723	807	8 866	524 010	3	3	
\$10,000,000 or more -----	5	—	658	74 934	—	—	—	5	—	658	74 934	(W)	(W)	
\$5,000,000 to \$9,999,999 -----	9	—	712	58 030	—	—	—	9	—	712	58 030	(W)	(W)	
\$2,500,000 to \$4,999,999 -----	18	—	559	(D)	—	—	—	18	—	559	(D)	(W)	—	
\$1,000,000 to \$2,499,999 -----	67	4	1 377	(D)	6	3	9 490	61	*1	1 377	(D)	7	—	
\$500,000 to \$999,999 -----	109	24	1 156	223 791	8	7	5 362	101	*17	1 156	218 429	9	5	
\$250,000 to \$499,999 -----	253	97	1 387	86 701	41	44	13 911	212	53	1 387	72 790	12	11	
\$100,000 to \$249,999 -----	578	379	1 555	89 605	177	181	26 680	401	198	1 555	62 925	11	9	
\$50,000 to \$99,999 -----	701	595	712	50 480	366	379	25 475	335	216	712	25 005	13	10	
\$25,000 to \$49,999 -----	780	683	322	27 426	574	590	19 807	206	93	322	7 619	14	13	
Less than \$25,000 -----	3 802	3 663	427	28 038	3 428	3 435	23 761	374	228	427	4 277	10	10	
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	992	1 005	15 480	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	728	724	4 874	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	926	923	2 625	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	782	783	782	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1977														
The State -----	6 071	5 736	12 327	648 233	3 886	3 984	78 413	2 185	1 752	12 327	569 820	4	3	
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$5,000,000 to \$9,999,999 -----	9	2	836	(D)	1	2	(D)	8	—	836	75 634	(W)	(W)	
\$2,500,000 to \$4,999,999 -----	24	3	1 207	87 403	—	—	—	24	3	1 207	87 403	(W)	(W)	
\$1,000,000 to \$2,499,999 -----	75	22	1 756	189 124	4	5	12 445	71	17	1 756	101 045	2	5	
\$500,000 to \$999,999 -----	167	60	2 281	114 608	12	11	8 258	155	49	2 281	106 350	13	11	
\$250,000 to \$499,999 -----	255	190	1 965	85 173	11	13	3 599	244	177	1 965	81 574	9	10	
\$100,000 to \$249,999 -----	554	505	2 011	85 715	71	88	10 458	483	417	2 011	75 257	10	10	
\$50,000 to \$99,999 -----	527	509	853	34 424	163	180	10 714	364	329	853	23 710	16	14	
\$25,000 to \$49,999 -----	721	698	756	24 969	355	378	12 196	366	320	756	12 773	17	14	
Less than \$25,000 -----	3 739	3 749	(S)	26 817	3 269	3 307	20 743	(S)	(S)	(S)	(S)	—	—	
\$10,000 to \$24,999 -----	1 111	1 062	469	17 483	792	814	12 262	319	248	469	5 221	18	18	
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	753	762	5 112	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	987	992	2 829	(NA)	(NA)	(NA)	(NA)	3	(NA)	
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	737	739	540	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	1982							
			Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†	
			All	Construction workers	All employees	Construction workers				
A	B	C	D	E	F	G	H	I	J	
	Construction industries and subdividers and developers	1 723	8 866	7 416	117 867	91 165	11 775	507 258	419 189	
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	281	906	770	8 724	7 298	1 148	48 303	37 324	
1522	Other residential buildings	20	214	189	3 742	3 148	363	21 625	12 729	
1531	Operative builders	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	28	232	161	3 113	2 112	276	12 970	10 175	
1542	Nonresidential buildings, n.e.c.	146	1 147	969	16 217	12 413	1 562	104 849	73 972	
16	Heavy construction general contractors:									
1611	Highway and street construction	85	866	773	13 663	10 977	1 398	62 718	52 284	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	7	254	223	4 510	3 386	380	11 298	9 814	
1623	Water, sewer, and utility lines	52	404	330	6 229	4 558	596	25 774	23 790	
1629	Heavy construction, n.e.c.	21	(S)	(S)	(D)	(S)	(S)	(S)	(S)	
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	176	1 002	781	14 676	10 805	1 218	55 265	48 468	
1721	Painting, paper hanging, and decorating	77	198	191	(D)	1 854	265	4 731	4 639	
1731	Electrical work	174	778	621	9 312	6 812	932	28 875	28 420	
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	64	310	281	3 357	3 054	332	10 883	10 420	
1742	Plastering, drywall, and insulation work	53	175	139	2 252	1 686	216	6 821	6 489	
1743	Terrazzo, tile, marble, and mosaic work	4	6	6	55	55	8	217	(D)	
175	Carpentering and flooring:									
1751	Carpentering	183	422	337	3 627	3 056	529	15 098	13 511	
1752	Floor laying and other floorwork	7	*26	*13	(S)	(S)	(S)	*814	*800	
1761	Roofing and sheet metal work	42	428	358	6 399	4 382	582	19 587	18 702	
1771	Concrete work	81	390	362	3 988	3 400	461	14 955	13 077	
1781	Water well drilling	13	156	128	1 746	1 260	224	7 173	7 162	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	5	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
1793	Glass and glazing work	14	110	68	2 027	1 166	112	6 503	6 503	
1794	Excavating and foundation work	75	(D)	405	(D)	5 325	603	27 651	(D)	
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	
1796	Installing building equipment, n.e.c.	18	(D)	40	(D)	796	51	3 024	3 004	
1799	Special trade contractors, n.e.c.	44	(S)	(S)	(S)	(S)	(S)	(S)	(D)	
6552	Subdividers and developers, n.e.c.	*6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	

1982—Con.

1977

Value added††	1982—Con.					1977			Relative standard error of estimate (percent) for column—		SIC code
	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††			
I	J	K	L	M	N	O	P	Q	B	H	M
228 891	204 853	88 069	4 625	10 004	178 785	12 327	552 240	252 573	3	3	5
											15,16, 17
18 807	20 293	10 979	187	435	7 065	1 850	79 499	30 106	11	11	15
6 060	6 748	8 896	(D)	(D)	(D)	243	14 084	3 979	1	(W)	152 1521 1522
(D)	(S)	(S)	(D)	(S)	(S)	535	28 813	7 442	—	—	—
5 837	4 338	2 795	(D)	1 285	3 228	351	20 005	8 193	21	20	—
29 389	47 137	30 876	638	17 093	1 432	90 782	27 770	27 770	9	10	5 1541 1542
											16
35 700	16 976	10 434	978	2 122	49 169	1 301	75 903	39 744	8	6	4
5 115	4 701	1 484	19	232	8 252	104	5 096	2 144	8	12	162
16 060	8 241	1 984	538	691	15 223	641	39 405	17 068	10	7	1622 1623
(S)	(S)	(S)	(S)	(S)	(S)	228	10 590	5 920	—	—	—
											17
24 813	26 025	6 797	586	914	15 338	1 215	49 353	27 301	10	9	19
3 645	1 010	92	81	*112	679	328	4 886	3 823	29	32	44
14 487	14 489	455	229	607	6 040	960	34 254	20 847	16	13	16
5 787	4 640	462	23	157	4 622	579	14 535	9 251	18	26	174
4 061	2 749	332	69	200	1 056	271	7 474	4 180	22	24	1742
111	101	(D)	—	—	(D)	(D)	996	763	14	—	—
7 609	6 517	*1 587	170	664	4 222	192	3 301	1 975	18	22	175
*350	(S)	*14	*37	8	*156	(D)	*1 766	*1 293	65	71	30
11 466	9 084	885	135	106	2 931	405	13 479	7 290	18	14	10
6 400	(D)	1 878	55	58	2 061	521	16 119	7 592	16	13	7
4 222	2 954	*11	3	41	3 233	189	11 114	5 730	25	21	(W)
(S)	(D)	(S)	(S)	(D)	(S)	(D)	1 562	1 232	—	—	179
3 258	4 481	(D)	80	*56	866	70	(D)	(D)	19	14	1791
15 981	(D)	(D)	(D)	1 677	30 576	419	13 986	10 109	—	—	52 1793
(D)	(D)	(D)	(D)	(D)	(D)	—	—	—	—	—	8 1794
1 830	(D)	(D)	20	23	(D)	376	(D)	1 754	—	—	—
(S)	(D)	(D)	(D)	(D)	(D)	295	9 477	939	—	8	—
(D)	(D)	462	(D)	(D)	(D)	(D)	*913	5 804	—	—	—
								(D)	—	—	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	1 723	2 185	1 513	1 507	4	5	7	6
Number of establishments in business at end of year	1 625	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners	807	1 752	1 165	1 344	8	8	9	8
All employees**	8 866	12 327	9 142	8 451	3	4	7	3
Construction workers:								
March	5 802	7 896	5 413	5 037	5	3	7	4
May	7 248	11 482	7 791	7 446	4	4	9	3
August	8 549	12 370	10 221	9 446	3	4	7	3
November	7 216	10 969	8 553	7 283	4	3	8	4
Average	7 416	10 688	8 173	7 522	4	4	7	3
Other employees:								
March	1 434	1 505	924	893	5	7	7	6
Construction worker hours (thousands):								
January to March	2 331	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
April to June	2 957	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
July to September	3 532	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
October to December	2 954	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Total hours worked	11 775	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Payroll, all employees	117 867	120 057	69 722	44 930	3	2	8	3
Payroll, construction workers	91 165	99 617	60 307	38 659	3	3	9	3
Payroll, other employees	26 701	20 440	9 415	6 273	4	3	4	4
First quarter payroll, all employees	23 422	21 603	(NA)	(NA)	4	3	(NA)	(NA)
Employer costs for fringe benefits	21 602	16 418	(NA)	(NA)	4	2	(NA)	(NA)
Legally required expenditures	16 213	11 973	(NA)	(NA)	4	3	(NA)	(NA)
Voluntary expenditures	5 389	4 445	(NA)	(NA)	5	3	(NA)	(NA)
All business receipts	524 010	569 820	280 187	205 564	3	3	8	3
Total construction receipts	507 258	552 240	274 243	200 136	3	3	8	3
Receipts for work subcontracted in from others	93 110	110 141	48 927	27 665	7	4	10	8
Land receipts ¹	(D)	(NA)	(NA)	(NA)	-	(NA)	(NA)	(NA)
Other business receipts	14 556	17 580	5 944	5 425	12	7	11	12
Net construction receipts ^t	419 189	452 350	228 174	161 002	3	3	9	3
Value added ^{††}	228 891	252 573	144 259	97 841	3	3	11	3
Selected payments	292 922	313 626	134 437	107 519	3	3	7	4
Materials, components, and supplies ²	187 247	199 736	88 368	68 362	4	3	9	4
Construction work subcontracted to others	88 069	99 890	46 069	39 146	3	7	7	6
Selected power, fuels, and lubricants	17 606	14 000	(NA)	(NA)	5	3	(NA)	(NA)
Electricity	1 558	855	(NA)	(NA)	9	8	(NA)	(NA)
Natural gas	749	475	(NA)	(NA)	9	12	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	14 257	10 828	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases	1 040	1 842	(NA)	(NA)	10	6	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	449	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	4 625	6 057	(NA)	(NA)	6	4	(NA)	(NA)
For machinery and equipment	2 968	5 113	5 573	3 732	7	5	22	4
For structures	1 657	944	(NA)	(NA)	9	10	(NA)	(NA)
Selected purchased services	13 951	16 906	(NA)	(NA)	3	4	(NA)	(NA)
Communication services	2 846	2 500	(NA)	(NA)	5	5	(NA)	(NA)
Repairs to structures and related facilities	654	565	(NA)	(NA)	22	15	(NA)	(NA)
Repairs to machinery and equipment	10 450	13 841	(NA)	(NA)	3	4	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	507 258	552 240	274 243	200 136	3	3	8	3
Government owned	145 855	162 681	128 039	109 503	7	4	14	3
Privately owned	361 402	389 558	146 204	90 633	5	3	8	8

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets	172 038	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	10 004	24 485	12 160	9 146	5	5	19	4
New	6 948	17 025	9 198	6 281	6	5	19	4
Used	3 055	7 460	2 962	2 865	10	11	25	11
Retirements and disposition of depreciable assets	3 258	(NA)	(NA)	(NA)	17	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	178 785	138 751	89 956	(NA)	4	3	23	(NA)
Depreciation charges during year	19 735	16 403	9 905	(NA)	5	3	24	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets	25 805	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Capital expenditures, other than land	1 248	3 897	825	(S)	11	12	35	-
New structures and related facilities	921	3 233	241	369	8	9	30	31
Used structures and related facilities	326	664	584	(S)	31	16	41	-
Retirements and disposition of depreciable assets	214	(NA)	(NA)	(NA)	30	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	26 839	24 632	10 124	(NA)	9	6	8	(NA)
Depreciation charges during year	2 595	1 283	697	(NA)	11	8	15	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets	146 233	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land	8 756	20 588	11 335	8 347	6	8	24	4
New machinery and equipment, including automobiles and trucks	6 027	13 792	8 957	5 912	7	5	19	3
New automobiles and trucks, intended primarily for highway use	1 777	5 597	(NA)	(NA)	13	6	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks	2 729	6 796	2 378	2 435	10	12	30	6
Retirements and disposition of depreciable assets	3 044	(NA)	(NA)	(NA)	18	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets	151 945	114 119	79 832	(NA)	4	3	25	(NA)
Depreciation charges during year	17 139	15 119	9 208	(NA)	6	4	26	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	1 723	4
Total construction receipts	507 258	3
Establishments with inventories:		
Number	493	14
Total construction receipts	206 527	7
Inventories: End of 1982, total	18 611	
Value for establishments with LIFO reserve	2 891	8
Amount of LIFO reserve	343	29
Value for establishments with no LIFO reserve	15 720	9
End of 1981, total	17 112	8
Value for establishments with LIFO reserve	2 626	10
Amount of LIFO reserve	556	44
Value for establishments with no LIFO reserve	14 486	10
Establishments with no inventories:		
Number	1 230	4
Total construction receipts	300 731	4

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments -----	1 723	1 241	285	118	66	8	5	-	-	-
All employees** -----	8 866	2 254	1 820	1 509	1 844	575	863	-	-	-
Payroll, all employees -----	117 867	20 311	21 525	21 909	29 160	10 717	14 243	-	-	-
Construction worker hours (thousands) -----	11 775	3 004	2 226	1 848	2 585	885	1 225	-	-	-
All business receipts -----	524 010	102 869	299 850	(D)	(D)	121 290	(D)	-	-	-
Total construction receipts -----	507 258	101 463	81 171	86 776	118 425	63 791	55 631	-	-	-
Net construction receipts† -----	419 189	90 022	72 918	70 895	98 576	41 918	44 858	-	-	-
Value added†† -----	228 891	50 890	40 687	33 844	50 041	21 970	31 457	-	-	-
Payments for materials, components, supplies, and fuels -----	204 853	40 363	38 021	38 833	52 419	35 216	(D)	-	-	-
Payments for construction work subcontracted to others -----	88 069	11 440	8 253	15 880	19 849	21 873	10 773	-	-	-
Rental payments for machinery, equipment, and structures -----	4 625	909	738	483	1 657	564	274	-	-	-
Capital expenditures, other than land -----	10 004	2 046	1 606	1 136	2 898	2 316	(D)	-	-	-
End-of-year gross book value of depreciable assets -----	178 785	31 657	27 723	29 024	41 173	11 964	37 242	-	-	-
1977										
All employees** -----	12 327	2 892	2 409	2 641	2 653	1 072	659	(D)	-	-
Total construction receipts -----	552 240	97 040	97 043	112 628	132 900	72 027	40 602	(D)	-	-
Value added†† -----	252 573	47 712	42 924	51 295	60 907	30 102	19 634	(D)	-	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees** -----	3	6	10	9	8	(W)	(W)	-	-	-
Net construction receipts† -----	3	7	11	11	3	(W)	(W)	-	-	-
Capital expenditures, other than land -----	5	15	20	23	3	(W)	-	-	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	1 723	374	206	335	401	212	101	61	18	9	5
All employees** -----	8 866	427	322	712	1 555	1 387	1 377	559	712	658	658
Payroll, all employees -----	117 867	1 184	2 072	5 629	16 323	16 833	17 344	22 665	11 417	12 103	12 296
Construction worker hours (thousands) -----	11 775	330	424	874	2 112	1 734	1 451	1 876	930	1 033	1 007
All business receipts -----	524 010	4 277	7 619	25 005	62 925	72 790	218 429	(D)	58 030	74 934	74 934
Total construction receipts -----	507 258	4 236	7 529	24 564	61 653	69 854	63 401	89 539	55 912	57 277	73 292
Net construction receipts† -----	419 189	3 773	6 847	22 610	56 894	62 717	55 450	75 743	44 110	38 266	52 778
Value added†† -----	228 891	2 275	4 202	13 186	32 741	34 912	30 667	35 527	21 758	18 072	35 548
Payments for materials, components, supplies, and fuels -----	204 853	1 531	2 735	9 795	25 325	30 740	27 667	44 416	22 823	20 946	18 872
Payments for construction work subcontracted to others -----	88 069	463	682	1 954	4 758	7 137	7 950	13 796	11 802	19 011	20 514
Rental payments for machinery, equipment, and structures -----	4 625	*27	*41	230	528	737	383	1 505	274	400	497
Capital expenditures, other than land -----	10 004	*32	*189	308	1 366	1 530	1 012	2 235	2 381	(D)	949
End-of-year gross book value of depreciable assets -----	178 785	1 796	2 326	7 278	24 333	19 396	19 165	32 087	17 706	27 263	27 432
1977											
All employees** -----	12 327	(S)	756	853	2 011	1 965	2 281	1 756	1 207	1836	(NA)
Total construction receipts -----	552 240	(S)	12 630	23 548	72 370	78 195	103 060	96 836	85 509	174 035	(NA)
Value added†† -----	252 573	(S)	6 377	12 147	33 504	41 206	44 402	43 887	39 336	128 077	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	3	10	14	13	11	12	9	7	(W)	(W)	(W)
Net construction receipts† -----	3	12	13	10	10	11	11	10	(W)	(W)	(W)
Capital expenditures, other than land -----	5	54	53	27	23	21	26	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair	A	B	C
	A	B	C	A	B	C
1982						
Total construction receipts‡	507 258	374 527	132 730	3	4	5
Building construction	344 000	269 731	74 269	3	4	6
Single-family houses	92 867	68 747	24 119	7	8	8
Single-family houses, detached	79 111	56 754	22 356	7	8	9
Single-family houses, attached	13 755	11 992	1 763	13	14	25
Apartment buildings with two or more apartments	19 620	14 051	5 568	11	6	36
Other residential buildings	13 251	11 560	1 691	4	4	14
Office and bank buildings	35 225	25 636	9 589	4	3	8
Office buildings	23 465	16 157	7 307	4	5	11
Bank buildings and other financial institutions	11 760	9 478	2 282	5	3	12
Farm buildings	34 764	31 495	3 269	20	22	19
Industrial buildings and warehouses	42 319	34 061	8 257	7	8	21
Industrial buildings	36 197	29 257	6 940	9	9	25
Warehouses	6 121	4 804	1 316	13	9	34
Stores, restaurants, public garages, and automobile service stations	28 115	19 901	8 214	8	7	12
Religious buildings	8 624	6 863	1 761	31	39	17
Educational buildings	24 458	18 055	6 402	7	6	16
Hospitals and institutional buildings	38 020	33 610	4 409	6	7	12
Amusement, social, and recreational buildings	3 788	3 405	383	12	13	37
Other nonresidential buildings	2 949	2 347	607	15	10	33
Nonbuilding construction	133 439	81 098	52 341	3	6	4
Highways, streets, and related facilities	80 621	40 390	40 230	6	8	4
Bridges, tunnels, and elevated highways	10 166	5 721	4 444	8	10	6
Power and communication transmission lines, towers, and related facilities	20 459	17 862	2 596	7	6	9
Sewers, water mains, and related facilities	10 882	7 123	3 759	16	20	15
Sewers, sewer lines, and related facilities	3 502	2 267	1 235	24	28	26
Water mains and related facilities	7 379	4 856	2 523	19	21	18
Other nonbuilding construction	11 311	10 002	1 312	18	18	26
Construction work, n.s.k.	29 817	23 698	6 119	11	13	16
1977						
Total construction receipts‡	552 240	468 484	83 755	3	3	5
Building construction	371 290	317 334	53 956	3	3	6
Single-family houses	135 605	113 492	22 113	7	7	12
Apartment buildings with two or more apartments	33 595	32 119	1 476	11	11	11
Other residential buildings	16 251	14 778	1 473	3	3	9
Office and bank buildings	31 657	25 578	6 079	4	4	14
Farm buildings	24 566	21 828	2 738	9	10	14
Industrial buildings and warehouses	44 922	39 434	5 488	6	6	13
Stores, restaurants, public garages, and automobile service stations	21 180	17 837	3 343	5	5	12
Religious buildings	7 453	6 799	654	3	3	17
Educational buildings	23 222	18 225	4 997	4	4	9
Hospitals and institutional buildings	21 017	16 833	4 184	9	11	8
Amusement, social, and recreational buildings	3 798	2 926	872	10	8	21
Other nonresidential buildings	*8 024	*7 486	538	56	60	38
Nonbuilding construction	151 177	125 765	25 412	3	3	6
Highways, streets, and related facilities	68 369	53 174	15 195	4	4	7
Bridges, tunnels, and elevated highways	7 240	6 471	769	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities	16 977	15 437	1 540	7	8	4
Sewers, water mains, and related facilities	35 679	30 483	5 196	8	8	21
Sewage treatment and water treatment plants	4 086	3 968	*118	14	14	48
Other nonbuilding construction	18 826	16 232	2 594	9	10	15
Construction work, n.s.k.	29 780	25 317	4 463	10	10	14

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	1 723	7 416	11 775	5 802	2 331	7 248	2 957
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	281	770	1 148	666	253	726	289
1522	Other residential buildings -----	20	189	363	169	82	168	77
1531	Operative builders -----	12	(S)	(S)	(S)	(S)	(S)	(S)
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	28	161	276	121	47	148	63
1542	Nonresidential buildings, n.e.c. -----	146	969	1 562	779	312	893	362
16	Heavy construction general contractors:							
1611	Highway and street construction -----	85	773	1 398	372	169	845	384
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	7	223	380	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	52	330	596	229	99	368	166
1629	Heavy construction, n.e.c. -----	21	(S)	(S)	(S)	(S)	(S)	(S)
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	176	781	1 218	686	293	793	313
1721	Painting, paper hanging, and decorating -----	77	191	265	151	*55	181	73
1731	Electrical work -----	174	621	932	745	301	581	207
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	64	281	332	196	46	274	92
1742	Plastering, drywall, and insulation work -----	53	139	216	117	46	133	49
1743	Terrazzo, tile, marble, and mosaic work -----	4	6	8	(D)	*1	(D)	3
175	Carpentering and flooring:							
1751	Carpentering -----	183	337	529	310	122	320	147
1752	Floor laying and other floorwork-----	7	*13	(S)	*11	(S)	*12	(S)
1761	Roofing and sheet metal work -----	42	358	582	304	111	320	129
1771	Concrete work -----	81	362	461	175	53	389	121
1781	Water well drilling -----	43	128	224	122	54	151	65
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	5	(S)	(S)	(S)	(S)	(S)	(S)
1793	Glass and glazing work -----	14	68	112	67	27	65	28
1794	Excavating and foundation work -----	75	405	603	223	90	373	150
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	18	40	51	30	*10	29	*12
1799	Special trade contractors, n.e.c. -----	44	(S)	(S)	(S)	(S)	(S)	(S)
6552	Subdividers and developers, n.e.c. -----	*6	(D)	(D)	(D)	(D)	(D)	(D)

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—												SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K			
H	I	J	K													
8 549	3 532	7 216	2 954	4	4	5	6	4	5	3	4	4	5			15,16, 17
																15
830 226	325 108	721 192	280 94	11 1	13 2	12 2	18 4	11 2	17 4	12 1	16 3	12 1	17 3			152 1521 1522
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-			1531
168 1 129	70 458	212 995	94 429	19 9	18 8	21 8	27 9	19 10	22 10	19 10	21 11	28 10	30 10			154 1541 1542
																16
1 088	516	774	328	8	7	8	9	13	14	7	8	10	9			1611
																162
368 386 (S)	165 184 (S)	224 320 (S)	94 146 (S)	7 10 -	7 11 -	9 -	15 -	11 -	13 -	3 11 -	4 14 -	10 12 -	11 14 -			1622 1623 1629
																17
819	319	747	291	10	10	11	13	10	12	10	13	10	14			1711
231	*86	130	*49	29	35	32	44	29	40	32	41	37	48			1721
561	216	526	205	18	14	24	25	18	18	19	18	20	18			1731
																174
346 155 (D)	105 63 2	252 124 5	88 56 (S)	19 22 14	21 26 22	24 -	32 35 60	19 22 -	28 33 32	19 22 -	23 31 30	20 25 17	28 33 -			1741 1742 1743
350 *10	138 (S)	279 *10	120 (S)	15 56	19 -	16 66	26 -	16 61	25 -	17 48	25 -	17 48	25 -			175 1751 1752
377	167	397	174	18	16	16	15	19	19	18	19	21	19			1761
450	159	389	126	16	17	27	39	18	22	15	18	16	21			1771
129	57	116	*47	26	27	24	31	23	30	27	35	33	43			1781
(S) 66 533 (D) 35 (S) (D)	(S) 27 206 (D) *11 (S) (D)	(S) 66 426 (D) 41 (S) (D)	(S) 27 155 (D) 16 (S) (D)	- 19 9 12 15 24 16 24 -	- 14 12 15 -	- 18 24 47 15 44 -	- 19 24 47 15 44 -	- 17 10 15 15 44 -	- 20 17 13 13 46 -	- 18 8 13 13 46 -	- 18 12 46 46 15 -	- 18 7 12 12 7 -			179 1791 1793 14 1794 1795 40 1796 - 1799 - 6552	

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work subcontracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	5.2	13.3	1.6	68.4	.232	.404	.174	.020	.009
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses-----	3.2	9.6	1.5	62.7	.181	.420	.227	.009	.004
1522	Other residential buildings-----	10.7	17.5	1.9	114.4	.173	.312	.411	(D)	(D)
1531	Operative builders -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	8.3	13.4	1.7	80.6	.240	.334	.215	(D)	(D)
1542	Nonresidential buildings, n.e.c.-----	7.9	14.1	1.6	108.2	.155	.450	.234	.012	.006
16	Heavy construction general contractors:									
1611	Highway and street construction -----	10.2	15.8	1.8	81.1	.218	.271	.166	.034	.016
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	36.3	17.8	1.7	50.7	.399	.416	.131	.021	.002
1623	Water, sewer, and utility lines-----	7.8	15.4	1.8	78.1	.242	.320	.077	.027	.021
1629	Heavy construction, n.e.c.-----	(S)	(D)	(S)	(S)	(D)	(S)	(S)	(S)	(S)
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	5.7	14.6	1.6	70.8	.266	.471	.123	.017	.011
1721	Painting, paper hanging, and decorating -----	2.6	(D)	1.4	24.8	(D)	.213	.019	*.024	.017
1731	Electrical work -----	4.5	12.0	1.5	46.5	.322	.502	.016	.021	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework-----	4.8	10.8	1.2	38.7	.308	.426	.042	.014	.002
1742	Plastering, drywall, and insulation work -----	3.3	12.9	1.6	49.1	.330	.403	.049	.029	.010
1743	Terrazzo, tile, marble, and mosaic work-----	1.5	9.2	1.3	36.2	.253	.465	(D)	-	-
175	Carpentering and flooring:									
1751	Carpentering-----	2.3	8.6	1.6	44.8	.240	.432	*.105	.044	.011
1752	Floor laying and other floorwork -----	*3.7	(S)	(S)	*62.6	(S)	(S)	*.017	*.010	*.045
1761	Roofing and sheet metal work -----	10.2	15.0	1.6	54.7	.327	.464	.045	.005	.007
1771	Concrete work -----	4.8	10.2	1.3	41.3	.267	(D)	.126	.004	.004
1781	Water well drilling -----	3.6	11.2	1.8	56.0	.243	.412	*.002	.006	.001
179	Miscellaneous special trade contractors:									
1791	Structural steel erection-----	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	(S)
1793	Glass and glazing work -----	7.9	18.4	1.6	95.6	.312	.689	-	*.009	.012
1794	Excavating and foundation work -----	(D)	(D)	1.5	(D)	(D)	(D)	(D)	.061	(D)
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.-----	(D)	(D)	1.3	(D)	(D)	(D)	(D)	.007	(D)
1799	Special trade contractors, n.e.c. -----	(S)	(S)	(S)	(S)	(S)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Not applicable]

APPENDIX A. Explanation of Terms

Construction—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Number of establishments in business at end of year—Includes all full-year or part-year establishments that were in business at the end of 1982.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

All employees—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

Construction workers—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

Payroll—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

Employer costs for fringe benefits—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

All business receipts—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

Total construction receipts—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts".)

Receipts for work subcontracted in from others—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

Other business receipts—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Net construction receipts—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Selected payments—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

Storage capacity for fuels—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

Rental payments for machinery, equipment, and structures—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

Selected purchased services—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

Fixed assets and depreciation—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

Capital expenditures—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

Value of inventories—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Establishments building structures on their own land for sale (operative builders) were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

Ownership of construction projects—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

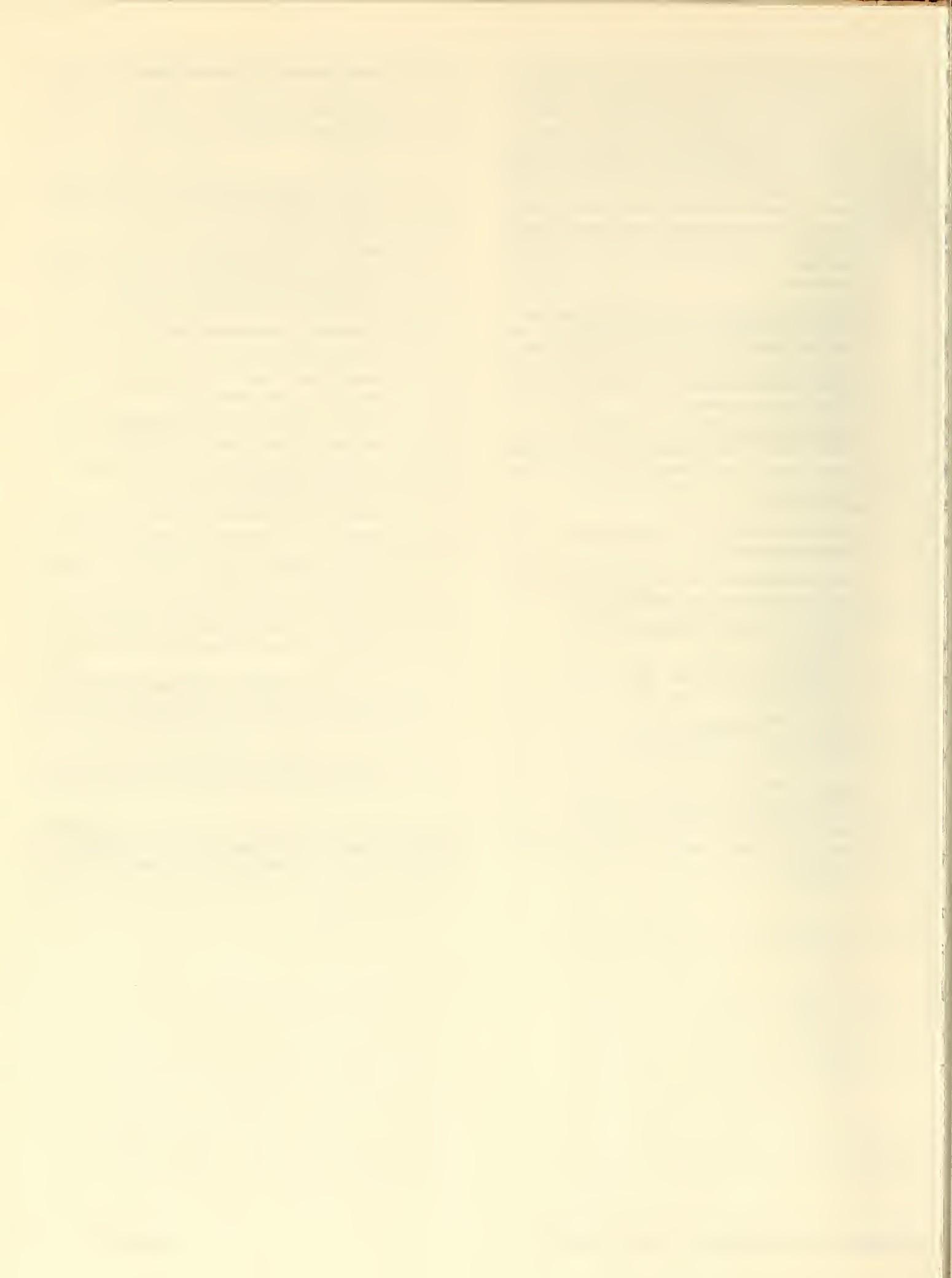
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

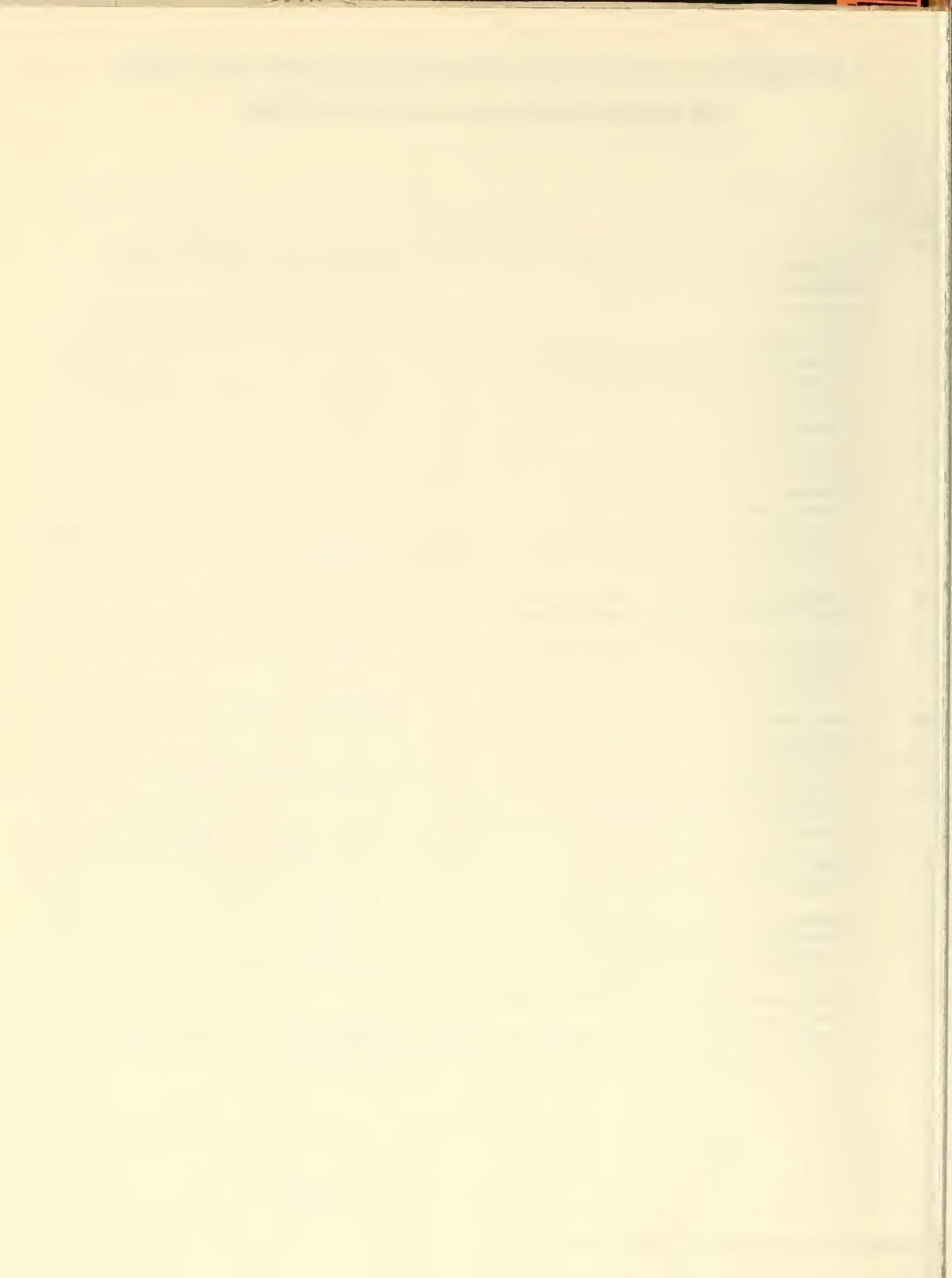
- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

Location of construction work—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.



APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family Houses	174	Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentering and Flooring Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentering Special Trade Contractors
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS	1752	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
161	Highway and Street Construction, Except Elevated Highways	176	Roofing and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors	1761	Roofing and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, N.E.C.	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting, Paper Hanging, and Decorating Special Trade Contractors	1794	Excavating and Foundation Work Special Trade Contractors
1721	Painting, Paper Hanging, and Decorating Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		1799	Special Trade Contractors, N.E.C.
		6552	SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES



APPENDIX C.

Geographic Divisions and States

NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL STATES

Iowa
Kansas
Minnesota
Missouri
North Dakota
South Dakota

SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.

North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES

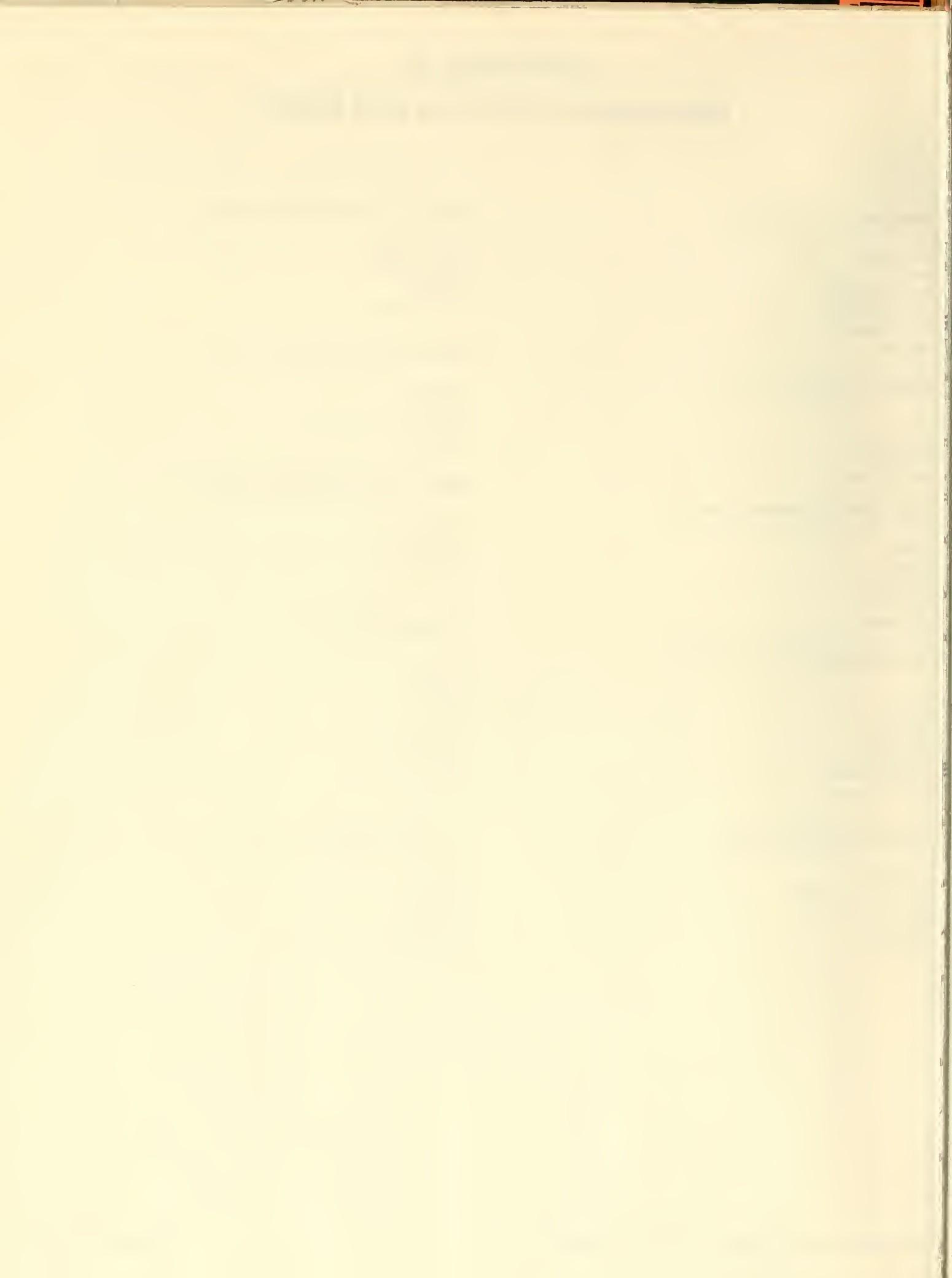
Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES

Alaska
California
Hawaii
Oregon
Washington



APPENDIX D.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.-Con. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA
Chicago-Gary-Kenosha, Ill.-Ind.-Wis.¹ Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA ²	Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA
Cincinnati-Hamilton, Ohio-Ky.-Ind. Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA	Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA	Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA
Cleveland-Akron-Lorain, Ohio Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA	Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA	San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ³ Vallejo-Fairfield-Napa, Calif., SMSA
Dayton-Springfield, Ohio² Dayton, Ohio, SMSA Springfield, Ohio, SMSA	Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA	Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA
Detroit-Ann Arbor, Mich. Ann Arbor, Mich., SMSA Detroit, Mich., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Abilene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex.	Altoona, Pa. Blair County, Pa.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga.
Akron, Ohio Portage County, Ohio Summit County, Ohio	Amarillo, Tex. Potter County, Tex. Randall County, Tex.	Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga.
Albany, Ga. Dougherty County, Ga. Lee County, Ga.	Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif.	Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga.
Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y.	Anderson, Ind. Madison County, Ind.	Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga.
Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex.	Anderson, S.C.¹ Anderson County, S.C.	Atlantic City, N.J. Atlantic County, N.J.
Alexandria, La. Grant Parish, La. Rapides Parish, La.	Ann Arbor, Mich. Washtenaw County, Mich.	Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.
Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis.	
	Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.	Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass.	Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass.
Bakersfield, Calif. Kern County, Calif.	Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass.	Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass.
Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md. ²	Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass.	Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass.
Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine Waldo County, Maine (part) Winterport town, Maine	Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass. Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass.	Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass.
Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.	Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass.	Bradenton, Fla. Manatee County, Fla.
Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.	Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass.	Bremerton, Wash.¹ Kitsap County, Wash.
Bay City, Mich. Bay County, Mich.	North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass.	Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn.
Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.	Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass.	New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. ³ Woodmont borough, Conn. ³
Bellingham, Wash.¹ Whatcom County, Wash.	Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass.	Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn.
Benton Harbor, Mich.¹ Berrien County, Mich.	Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass.	Litchfield County, Conn. (part) Plymouth town, Conn.
Billings, Mont. Yellowstone County, Mont.	Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass.	Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass.
Biloxi-Gulfport, Miss. Hancock County, Miss. Harrison County, Miss. Stone County, Miss.	Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.	Norfolk County, Mass. (part) Avon town, Mass.
Binghamton, N.Y.-Pa. Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.	Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.
Birmingham, Ala. Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.	Birmingham, Ala.	Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.
Bismarck, N. Dak.¹ Burleigh County, N. Dak. Morton County, N. Dak.	Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass.	Bryan-College Station, Tex. Brazos County, Tex.
Bloomington, Ind. Monroe County, Ind.	Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.	Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.
Bloomington-Normal, Ill. McLean County, Ill.	Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	Burlington, N.C. Alamance County, N.C.
Boise City, Idaho Ada County, Idaho		Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt. Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt. Franklin County, Vt. (part) Georgia town, Vt. Grand Isle County, Vt. (part) South Hero town, Vt.	Columbia, Mo. Boone County, Mo. Columbia, S.C. Lexington County, S.C. Richland County, S.C. Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. ⁴ Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex.	Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis. Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis. El Paso, Tex. El Paso County, Tex.
Canton, Ohio Carroll County, Ohio Stark County, Ohio	 Cumberland, Md.-W. Va.¹ Alleghany County, Md. Mineral County, W. Va.	 Elkhart, Ind.¹ Elkhart County, Ind.
Casper, Wyo.¹ Natrona County, Wyo.	 Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.	 Elmira, N.Y. Chemung County, N.Y. Enid, Okla.¹ Garfield County, Okla.
Cedar Rapids, Iowa Linn County, Iowa	 Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.	 Erie, Pa. Erie County, Pa.
Champaign-Urbana-Rantoul, Ill. Champaign County, Ill.	 Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass.	 Eugene-Springfield, Oreg. Lane County, Oreg.
Charleston-North Charleston, S.C. Berkeley County, S.C. Charleston County, S.C. Dorchester County, S.C.	 Fayetteville, N.C. Cumberland County, N.C.	 Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak.
Charleston, W. Va. Kanawha County, W. Va. Putnam County, W. Va.	 Fayettleville, Ark. Benton County, Ark. Washington County, Ark.	 Fayettleville-Springdale, Ark. Benton County, Ark. Washington County, Ark.
Charlotte-Gastonia, N.C. Gaston County, N.C. Mecklenburg County, N.C. Union County, N.C.	 Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.	 Fitchburg-Leominster, Mass. Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass.
Charlottesville, Va.¹ Albemarle County, Va. Fluvanna County, Va. Greene County, Va. Charlottesville city, Va. ²	 Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio	 Flint, Mich. Genesee County, Mich. Shiawassee County, Mich.
Chattanooga, Tenn.-Ga. Catoosa County, Ga. Dade County, Ga. Walker County, Ga. Hamilton County, Tenn. Marion County, Tenn. Sequatchie County, Tenn.	 Daytona Beach, Fla. Volusia County, Fla.	 Florence, Ala. Colbert County, Ala. Lauderdale County, Ala.
Chicago, Ill. Cook County, Ill. Du Page County, Ill. Kane County, Ill. Lake County, Ill. McHenry County, Ill. Will County, Ill.	 Decatur, Ill. Macon County, Ill.	 Florence, S.C.¹ Florence County, S.C.
Chico, Calif.¹ Butte County, Calif.	 Denver-Boulder, Colo. Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo.	 Fort Collins, Colo. Larimer County, Colo.
Cincinnati, Ohio-Ky.-Ind. Dearborn County, Ind. Boone County, Ky. Campbell County, Ky. Kenton County, Ky. Clermont County, Ohio Hamilton County, Ohio Warren County, Ohio	 Des Moines, Iowa Polk County, Iowa Warren County, Iowa	 Fort Lauderdale-Hollywood, Fla. Broward County, Fla.
Clarksville-Hopkinsville, Tenn.-Ky. Christian County, Ky. Montgomery County, Tenn.	 Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.	 Fort Myers-Cape Coral, Fla.³ Lee County, Fla.
Cleveland, Ohio Cuyahoga County, Ohio Geauga County, Ohio Lake County, Ohio Medina County, Ohio	 Dubuque, Iows Dubuque County, Iowa	 Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoah County, Okla.
Colorado Springs, Colo. El Paso County, Colo. Teller County, Colo.		 Fort Walton Beach, Fla.¹ Okaloosa County, Fla.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	Hartford, Conn. —Con. Hartford County, Conn. (part)—Con. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn.	Jersey City, N.J. Hudson County, N.J.
Fresno, Calif. Fresno County, Calif.	Litchfield County, Conn. (part) New Hartford town, Conn.	Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn.
Gadsden, Ala. Etowah County, Ala.	Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn.	Scott County, Va. Washington County, Va. Bristol city, Va. ²
Gainesville, Fla. Alachua County, Fla.	New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn.	Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.
Galveston-Texas City, Tex. Galveston County, Tex.	Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn.	Joplin, Mo. Jasper County, Mo. Newton County, Mo.
Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.	Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn.	Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.
Giens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.	Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	Kankakee, Ill. Kankakee County, Ill.
Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.	Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.	Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.	Honolulu, Hawaii Honolulu County, Hawaii	Kenosha, Wis. Kenosha County, Wis.
Great Falls, Mont. Cascade County, Mont.	Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.
Greeley, Colo. Weld County, Colo.		Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
Green Bay, Wis. Brown County, Wis.		Kokomo, Ind. Howard County, Ind. Tipton County, Ind.
Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	La Crosse, Wis. La Crosse County, Wis.
Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.	Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	Lafayette, La. Lafayette Parish, La.
Hagerstown, Md.¹ Washington County, Md.	Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind.	Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.
Hamilton-Middletown, Ohio Butler County, Ohio	Marion County, Ind. Morgan County, Ind. Shelby County, Ind.	Lake Charles, La. Calcasieu Parish, La.
Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.	Iowa City, Iowa¹ Johnson County, Iowa	Lakeland-Winter Haven, Fla. Polk County, Fla.
Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn.	Jackson, Mich. Jackson County, Mich.	Lancaster, Pa. Lancaster County, Pa.
East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn.	Jackson, Miss. Hinds County, Miss. Rankin County, Miss.	Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.
Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.	Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	Laredo, Tex. Webb County, Tex.
See footnotes at end of appendix.	Jacksonville, N.C.¹ Onslow County, N.C.	Las Cruces, N. Mex.¹ Dona Ana County, N. Mex.
	Janesville-Beloit, Wis.¹ Rock County, Wis.	Las Vegas, Nev. Clark County, Nev.
		Lawrence, Kans. Douglas County, Kans.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass. Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass. Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.	Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga. Madison, Wis. Dane County, Wis. Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H. Merrimack County, N.H. (part) Allenstown town, N.H. Hooksett town, N.H. Pembroke town, N.H. Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.	Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H. Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn. Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.
Lawton, Okla. Comanche County, Okla.	Mansfield, Ohio Richland County, Ohio	Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.
Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine	McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.	New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.
Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.	Medford, Oreg. Jackson County, Oreg.	Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.
Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio	Melbourne-Titusville-Cocoa, Fla. Brevard County, Fla.	New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.
Lincoln, Nebr. Lancaster County, Nebr.	Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.	New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.
Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.	Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.	New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.
Long Branch-Asbury Park, N.J. Monmouth County, N.J.	Miami, Fla. Dade County, Fla.	New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.
Longview-Marshall, Tex. Gregg County, Tex. Harrison County, Tex.	Midland, Tex. Midland County, Tex.	Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.
Lorain-Elyria, Ohio Lorain County, Ohio	Milwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.	Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.
Los Angeles-Long Beach, Calif. Los Angeles County, Calif.	Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn. Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.	New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn. Old Saybrook town, Conn.
Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.	Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.	New London County, Conn. (part) Borzh town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.
Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass. Hillsborough County, N.H. (part) Pelham town, N.H.	Modesto, Calif. Stanislaus County, Calif.	Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.
Lubbock, Tex. Lubbock County, Tex.	Monroe, La. Ouachita Parish, La.	
Lynchburg, Va. Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va. ²	Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.	
	Muncie, Ind. Delaware County, Ind.	
	Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn. Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.	Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla. Owensboro, Ky. Daviess County, Ky. Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.	Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine
New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.	Panama City, Fla. Bay County, Fla. Parkersburg-Marletta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.	Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.
New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y. Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.	 Pascagoula-Moss Point, Miss. Jackson County, Miss. Paterson-Clifton-Passaic, N.J. Passaic County, N.J. Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla. Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.	Portsmouth-Dover-Rochester, N.H.-Maine' York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H. Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.
Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J. Newark, Ohio' Licking County, Ohio	 Petersburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va. ² Hopewell city, Va. ² Petersburg city, Va. ² Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa. Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.	 Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H. Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.
Newburgh-Middletown, N.Y.' Orange County, N.Y.	 Phoenix, Ariz. Maricopa County, Ariz.	Poughkeepsie, N.Y. Dutchess County, N.Y.
Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va. ² Newport News city, Va. ² Poquoson city, Va. ² Williamsburg city, Va. ²	 Pine Bluff, Ark. Jefferson County, Ark.	Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.
Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va. ² Norfolk city, Va. ² Portsmouth city, Va. ² Suffolk city, Va. ² Virginia Beach city, Va. ²	 Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.	 Norfolk County, Mass. (part) Plainville town, Mass.
Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.	 Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine	 Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.
Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.	 Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass. Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.	 Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.
Ocala, Fla.' Marion County, Fla.	 Portland, Maine Cumberland County, Maine (part)	 Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.
Odessa, Tex. Ector County, Tex.		 Newport County, R.I. (part) Jamestown town, R.I.
Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.		 Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I.
Olympia, Wash.' Thurston County, Wash.		 Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.
Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.		

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Providence-Warwick-Pawtucket, R.I.-Mass. —Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I. Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	St. Louis, Mo.-III. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo. Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. ²	Springfield, Ill. Menard County, Ill. Sangamon County, Ill. Springfield, Mo. Christian County, Mo. Greene County, Mo. Springfield, Ohio Champaign County, Ohio Clark County, Ohio
Provo-Orem, Utah Utah County, Utah	Salem, Oreg. Marion County, Oreg. Polk County, Oreg.	Springfield-Chicopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn.
Pueblo, Colo. Pueblo County, Colo.	Salinas-Seaside-Monterey, Calif. Monterey County, Calif.	Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass. Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.
Racine, Wis. Racine County, Wis.	Salisbury-Concord, N.C. Cabarrus County, N.C. Rowan County, N.C.	Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.
Raleigh-Durham, N.C. Durham County, N.C. Orange County, N.C. Wake County, N.C.	Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah	Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass. Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.
Reading, Pa. Berks County, Pa.	San Angelo, Tex. Tom Green County, Tex.	Worcester County, Mass. (part) Warren town, Mass.
Redding, Calif. ¹ Shasta County, Calif.	San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.	Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.
Reno, Nev. Washoe County, Nev.	San Diego, Calif. San Diego County, Calif.	State College, Pa. ¹ Centre County, Pa.
Richland-Kennewick-Pasco, Wash. ³ Benton County, Wash. Franklin County, Wash.	San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.	Steubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.
Richmond, Va. Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va. New Kent County, Va. Powhatan County, Va. Richmond city, Va. ²	San Jose, Calif. Santa Clara County, Calif.	Stockton, Calif. San Joaquin County, Calif.
Riverside-San Bernardino-Ontario, Calif. Riverside County, Calif. San Bernardino County, Calif.	Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif.	Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.
Roanoke, Va. Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va. ² Salem city, Va. ²	Santa Cruz, Calif. Santa Cruz County, Calif.	Tacoma, Wash. Pierce County, Wash.
Rochester, Minn. Olmsted County, Minn.	Santa Rosa, Calif. Sonoma County, Calif.	Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla.
Rochester, N.Y. Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.	Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.	Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.
Rockford, Ill. Boone County, Ill. Winnebago County, Ill.	Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash.	Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.
Rock Hill, S.C. ¹ York County, S.C.	Sharon, Pa. ¹ Mercer County, Pa.	Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.
Sacramento, Calif. Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.	Sheboygan, Wis. ¹ Sheboygan County, Wis.	
Saginaw, Mich. Saginaw County, Mich.	Sherman-Denison, Tex. Grayson County, Tex.	
St. Cloud, Minn. Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.	Shreveport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La.	
St. Joseph, Mo. Andrew County, Mo. Buchanan County, Mo.	Sioux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr.	
	Sioux Falls, S. Dak. Minnehaha County, S. Dak.	
	South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind.	
	Spokane, Wash. Spokane County, Wash.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va.	Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex.
Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. ² Fairfax city, Va. ²	Williamsport, Pa. Lycoming County, Pa.
Trenton, N.J. Mercer County, N.J.	Falls Church city, Va. ² Manassas city, Va. ² Manassas Park city, Va. ²	Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J.
Tucson, Ariz. Pima County, Ariz.	Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn.	Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C.
Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn.	Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass.
Tuscaloosa, Ala. Tuscaloosa County, Ala.	Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass.
Tyler, Tex. Smith County, Tex.	Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa	North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass.
Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.	Wausau, Wis.¹ Marathon County, Wis.	Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass.
Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.	West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.	Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
Victoria, Tex.¹ Victoria County, Tex.	Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	Yakima, Wash. Yakima County, Wash.
Vineland-Millville-Bridgeton, N.J. Cumberland County, N.J.	Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.	York, Pa. Adams County, Pa. York County, Pa.
Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.		Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio
Waco, Tex. McLennan County, Tex.		Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

Milford town balance and Woodmont borough added since 1977 Economic Censuses.

Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

1977 title was Fort Myers, Fla.

1977 title was Longview, Tex.

Fenwick borough added since 1977 Economic Censuses.

1977 title was Richland-Kennewick, Wash.

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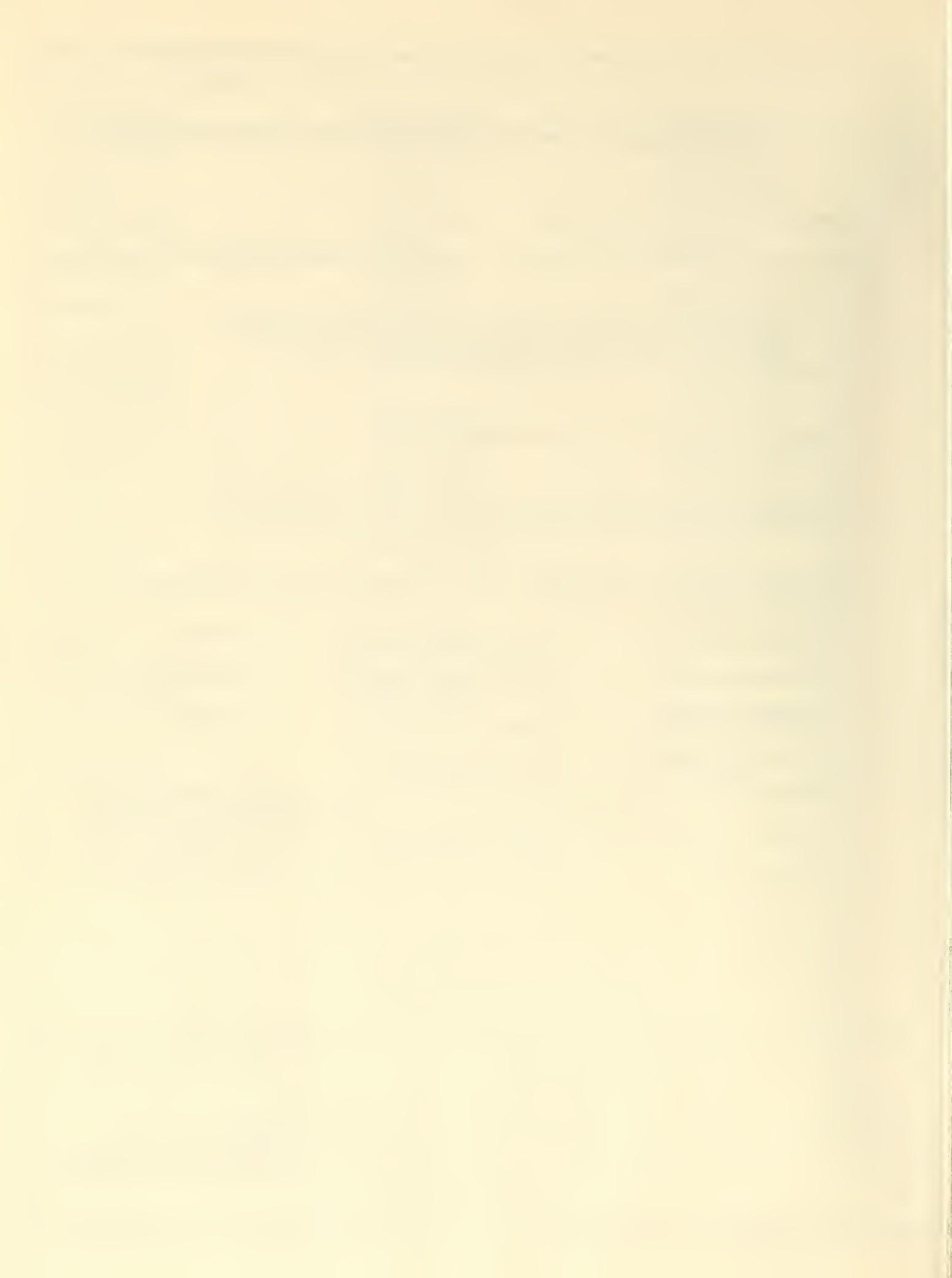
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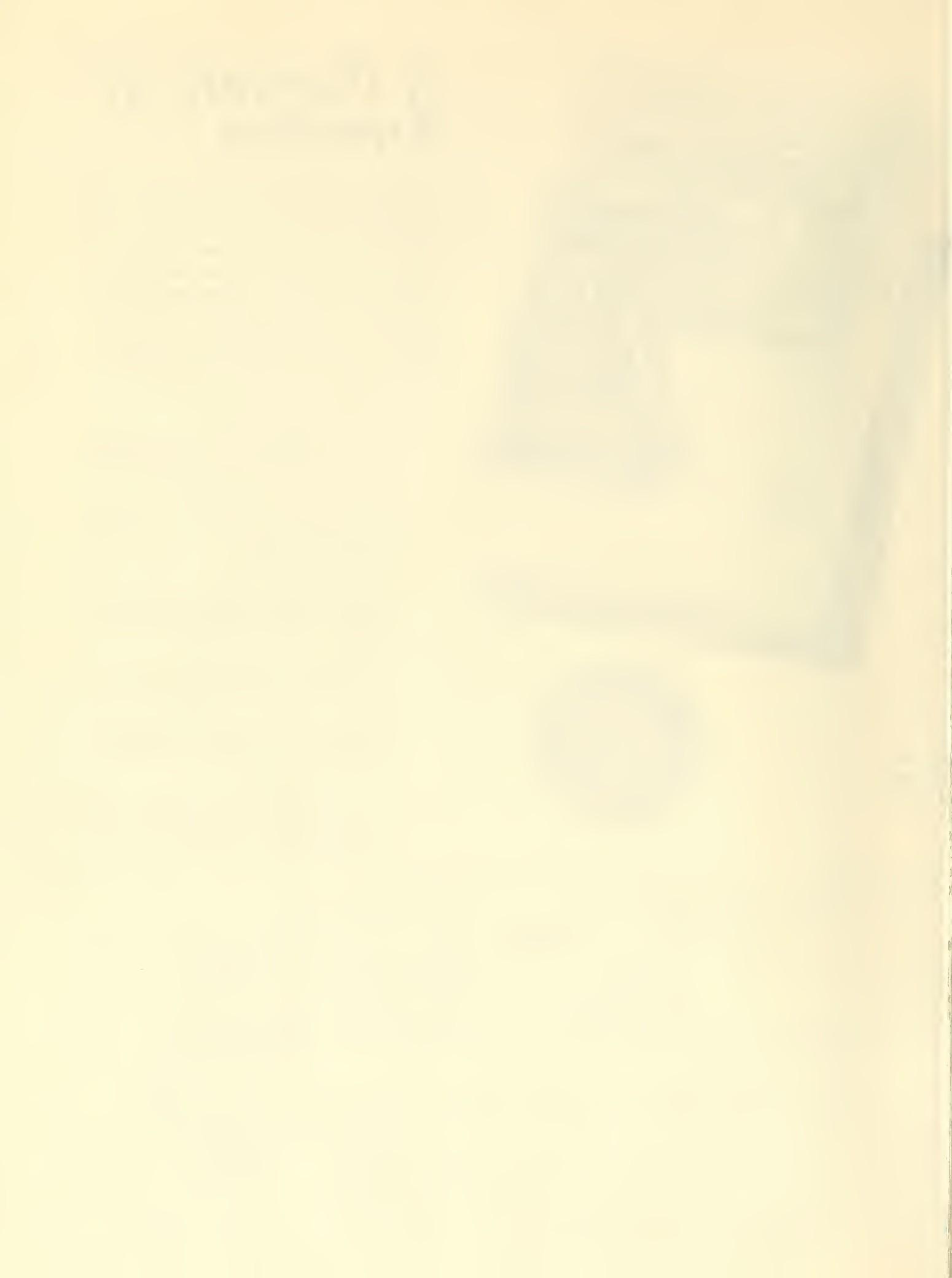
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PUBLICATION PROGRAM

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Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports present data for establishments with payroll and are published for each of the 27 industries included in the census. Each industry report presents 1982 data by State and for the United States on number of construction establishments; receipts; employment; hours worked; payrolls; payments to subcontractors; payments for materials, components, and supplies; payments for power and fuels; payments for selected purchased services; payments for the rental of machinery, equipment, and structures; value added; capital expenditures during the year; and assets. Limited data for 1977, 1972, and 1967 also are presented. In addition, more detailed data are shown at the local level for each industry. Data are presented for total receipts by type of structure (single-family, multiple-unit, and institutional). Selected data also are provided for establishment size, employment size, and receipts size.

U.S. Summary—1 report (CC82-I-28). This report presents data for establishments with payroll presented in a single report and presents limited data for estab-

Geographic area series—10 reports (CC82-A-1 to -9)

Division reports (CC82-A-1 to -9). The reports present data for the nine census divisions. The States grouped according to the nine census divisions of the geographic area series data are the same as those used for the industry series.

industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and by legal form of organization. It also contains selected statistics (number of establishments, employment, payrolls, receipts, payments to subcontractors, net construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of operation (multiunit or single-unit) and by legal form of organization.

Final Report Volume

Final paperbound reports subsequently are assembled and reissued in one clothbound volume.

available on microfiche.

USES REPORTS

Trade, service industries, manufactures, y-owned businesses, women-owned businesses, and also are issued as part of the 1982 Census of Population. This series of reports covers the censuses of Virgin Islands of the United States, Guam, Puerto Rico, and the District of Columbia. All published reports and microfiche are available from Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

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